## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

# **FORM 10-Q**

☑ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE

SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended June 30, 2024

OR

□ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE

SECURITIES EXCHANGE ACT OF 1934

For the transition period from

Commission file number: 1-13165

# **ARTIVION, INC.**

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

1655 Roberts Boulevard, NW, Kennesaw, Georgia

(Address of principal executive offices)

to

## (770) 419-3355

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.01 par value	AORT	New York Stock Exchange

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  $\boxtimes$  No  $\square$ 

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (\$232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes  $\boxtimes$  No  $\square$ 

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large Accelerated Filer	X	Accelerated Filer	
Non-accelerated Filer		Smaller Reporting Company	
		Emerging Growth Company	

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes 🗆 No 🗵

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date.

Class	Outstanding at August 2, 2024
Common Stock, \$0.01 par value	41,893,465

59-2417093

(I.R.S. Employer Identification No.)

30144

(Zip Code)

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# Part I – FINANCIAL INFORMATION

## Item 1. Financial Statements.

# Artivion, Inc. and Subsidiaries

# Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income

In Thousands, Except Per Share Data

(Unaudited)

	Three Mon Jun		Six Mont Jun	ths E e 30	
	 2024	2023	2024		2023
Revenues:					
Products	\$ 73,210	\$ 66,003	\$ 144,324	\$	128,294
Preservation services	24,809	 23,248	51,126		44,186
Total revenues	 98,019	 89,251	 195,450		172,480
Cost of products and preservation services:					
Products	24,545	20,977	48,295		40,510
Preservation services	10,150	10,190	 20,885		20,159
Total cost of products and preservation services	 34,695	 31,167	 69,180		60,669
Gross margin	 63,324	 58,084	 126,270		111,811
Operating expenses:					
General, administrative, and marketing	49,320	57,241	80,009		107,606
Research and development	 7,497	 7,418	 14,443		14,641
Total operating expenses	56,817	 64,659	 94,452		122,247
Gain from sale of non-financial assets		(14,250)			(14,250)
Operating income	6,507	 7,675	 31,818		3,814
Interest expense	8,304	6,356	16,130		12,452
Interest income	(353)	(265)	(727)		(340)
Loss on extinguishment of debt	_		3,669		_
Other expense, net	 983	 4,241	 2,392		3,278
(Loss) income before income taxes	(2,427)	(2,657)	10,354		(11,576)
Income tax (benefit) expense	 (306)	 725	 4,942		5,338
Net (loss) income	\$ (2,121)	\$ (3,382)	\$ 5,412	\$	(16,914)
(Loss) income per share:					
Basic	\$ (0.05)	\$ (0.08)	\$ 0.13	\$	(0.41)
Diluted	\$ (0.05)	\$ (0.08)	\$ 0.13	\$	(0.41)
Weighted-average common shares outstanding:					
Basic	41,683	40,755	41,487		40,595
Diluted	41,683	40,755	42,405		40,595
Net (loss) income	\$ (2,121)	\$ (3,382)	\$ 5,412	\$	(16,914)
Other comprehensive (loss) income:					
Foreign currency translation adjustments	(2,727)	1,026	(5,864)	\$	5,647
Unrealized gain (loss) from foreign currency intra-entity loans, net of tax	404	 800	2,013		(205)
Comprehensive (loss) income	\$ (4,444)	\$ (1,556)	\$ 1,561	\$	(11,472)

See accompanying Notes to Condensed Consolidated Financial Statements

## Artivion, Inc. and Subsidiaries Condensed Consolidated Balance Sheets In Thousands

		June 30, 2024	Dee	December 31, 2023		
	J)	Jnaudited)				
ASSETS						
Current assets:						
Cash and cash equivalents	\$	55,019	\$	58,940		
Trade receivables, net		73,890		71,796		
Other receivables		5,063		2,342		
Inventories, net		80,802		81,976		
Deferred preservation costs, net		50,674		49,804		
Prepaid expenses and other		19,514		15,810		
Total current assets		284,962		280,668		
Goodwill		244,008		247,337		
Acquired technology, net		135,151		142,593		
Operating lease right-of-use assets, net		41,655		43,822		
Property and equipment, net		37,440		38,358		
Other intangibles, net		29,261		29,638		
Deferred income taxes		3,309		1,087		
Other long-term assets		13,753		8,894		
Total assets	\$	789,539	\$	792,397		
LIABILITIES AND SHAREHOLDERS' EQUITY						
Current liabilities:						
Accounts payable	\$	11,728	\$	13,318		
Accrued expenses	Ψ	16,490	Ψ	12,732		
Accrued compensation		13,995		18,715		
Current maturities of operating leases		3,283		3,395		
Taxes payable		1,734		3,840		
Accrued procurement fees		1,472		1,439		
Current portion of long-term debt		268		1,451		
Other current liabilities		1,612		2,972		
Total current liabilities		50,582		57,862		
		212 205		205 521		
Long-term debt		313,295		305,531		
Contingent consideration		48,210		63,890		
Non-current maturities of operating leases		41,967		43,977		
Deferred income taxes		21,719		21,851		
Deferred compensation liability		7,455		6,760		
Non-current finance lease obligation		3,202		3,405		
Other long-term liabilities		8,053		7,341		
Total liabilities	\$	494,483	\$	510,617		
Commitments and contingencies						
Shareholders' equity:						
Preferred stock						
Common stock (75,000 shares authorized, 43,279 and 42,569 shares issued in 2024 and 2023, respectively)		433		426		
Additional paid-in capital		367,627		355,919		
Retained deficit		(42,495)		(47,907)		
Accumulated other comprehensive loss		(15,861)		(12,010)		
Treasury stock, at cost, 1,487 shares as of June 30, 2024 and December 31, 2023		(14,648)		(14,648)		
Total shareholders' equity		295,056		281,780		
Total liabilities and shareholders' equity	S	789,539	\$	792,397		

See accompanying Notes to Condensed Consolidated Financial Statements

## Artivion, Inc. and Subsidiaries Condensed Consolidated Statements of Cash Flows In Thousands (Unaudited)

Adjustments to reconcile net income (loss) to net cash from operating activities:       11,800       1         Depreciation and amorization       11,800       1         Non-cash lace expense       3,897         Loss on extinguishment of debt       3,669         Write-down of inventories and deferred preservation costs       1,508         Deferred income taxes       994         Gain fform sale of non-financial assets       -         Other       (15,680)         Tamage in fair value of contingent consideration       (15,680)         Other       (11,78         Changes in operating assets and liabilities:       -         Inventories and deferred preservation costs       (2,165)         Prepaid expenses and other massets       (5,224)         Accounts payable, accrued expenses, and other liabilities       (6,031)         Receivables       642         Vet cash flows provided by operating activities       642         Vet cash flows from investing activities:       -         Proceeds from sele of non-financial assets, net       -         Proceeds from issuance of debt       (90,000)         Proceeds from issuance of debt       190,000         Proceeds from issuance of debt       190,000         Proceeds from issuance of debt       190,000 <th></th> <th>Six Months June 3</th> <th></th>		Six Months June 3	
Net income (loss)\$\$,412\$(1)Adjustments to reconcile net income (loss) to net cash from operating activities:11,8001Depreciation and amortization7,7301Non-cash compensation7,7301Non-cash compensation3,6693,669Write-down of inventories and deferred preservation costs1,5081Deferred income taxes994()Pair value adjustment of long-term loanGain from sale of non-financial assets(1)Change in fair value of contingent consideration(15,680)1Other1,178Changes in operating assets and liabilities:Inventories and deferred preservation costs(2,165)(Prepaid expenses and other assets(5,224)()Accounts payable, accrued expenses, and other liabilities(6,031)Receivables(6,446)Net cash flows provided by operating activitiesProceeds from sale of non-financial assets, netProceeds from source of edbt190,000Proceeds from financing activities:Proceeds from financing activitiesProceeds from financing activitiesProceeds from financing activitie		2024	2023
Adjustments to reconcile net income (loss) to net cash from operating activities:       11,800       1         Depreciation and amorization       11,800       1         Non-cash lease expense       3,897         Loss on extinguishment of deht       3,669         Write-down of inventories and deferred preservation costs       1,508         Deferred income taxes       994       (         Gain from sale of non-financial assets       -       (1         Other       (15,680)       1       (15,680)       1         Other       (15,680)       1       (15,680)       1         Other       (15,680)       1       (15,680)       1         Changes in operating assets and liabilities:       -       (16,031)       (16,031)         Inventories and deferred preservation costs       (5,224)       (       (6,031)         Receivables       (6,446)       (6,446)       (6,446)         Net cash flows from investing activities:       -       1         Proceeds from sale of non-financial assets, net       -       1         Payments for Endospan Agreement       -       (6,124)       (         Captial expenditures       (6,124)       (       (         Proceeds from seul or obsonand issuance of common stoc			
Depreciation and amortization11,80011Non-cash compensation7,730Non-cash lease expense3,887Loss on extinguishment of debt3,669Write-down of inventories and deferred preservation costs1,508Deferred income taxes994Gain from sale of non-financial assets—Gain from sale of non-financial assets—Inventories and deferred preservation costs(15,680)Other.1,778Changes in operating assets and liabilities:	Net income (loss)	\$ 5,412 \$	(16,914)
Depreciation and amortization11.80011Non-cash compensation7,730Non-cash lease expense3,887Loss on extinguishment of debt3,669Write-down of inventories and deferred preservation costs1,508Deferred income taxes994Gain from sale of non-financial assets—Gain from sale of non-financial assets—Other1,178Changes in operating assets and liabilities:Inventories and deferred preservation costs(2,165)Other(1,178)Changes in operating assets and other assets(5,224)Accounts payable, accrued expenses, and other liabilities(6,01)Receivables(6,446)Net cash flows from investing activities—Proceeds from sale of non-financial assets, net—Proceeds from sale of non-financial assets, net—Inventories and flows (rous flow aperating activities(6,124)Vet cash flows (rous flow (used in) provided by investing activities(6,124)Vet cash flows (used in) provided by investing activities(6,124)Net cash flows (used in) provided by investing activities—Proceeds from issuance of debt190,000Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from issuance or debt(10,07)Payment of debt(21,688)Other(272)Net cash flows provided by financing activities—Proceeds from issuance or stock options and issuance of common stock(3,587Proceeds from	Adjustments to reconcile net income (loss) to net cash from operating activities:		
Non-cash lease expense3,897Loss on extinguishment of debt3,669Write-down of inventories and deferred preservation costs1,508Deferred income taxes994Gain from sale of non-financial assets— (1Change in fair value of contingent consideration(15,680)Other1,178Changes in operating assets and liabilities:— (1Inventories and deferred preservation costs(2,165)Inventories and deferred preservation costs(2,165)(Prepaid expenses and other liabilities(6,31)Receivables(6,446)Net cash flows provided by operating activities— (1Proceeds from sale of non-financial assets, net— (1Payments for Endospan Agreement— (1Payments for Endospan Agreement— (1Capital expenditures(6,124)Net cash flows from insuance of debt190,000Proceeds from sisuance of debt190,000Proceeds from susce of stock options and issuance of common stock3,587Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from francing activities—Principal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)(Repayment of debt issuance costs(10,044)		11,800	11,501
Loss on extinguishment of debt3,669Write-down of inventories and deferred preservation costs1,508Deferred income taxes994Fair value adjustment of long-ferm loan	Non-cash compensation	7,730	7,279
Write-down of inventories and deferred preservation costs1,508Deferred income taxes994()Fair value adjustment of long-term loan	Non-cash lease expense	3,897	3,631
Deferred income taxes994994Fair value adjustment of long-term loan—Gain from sale of non-financial assets—Other1,178Changes in operating assets and liabilities:1,178Inventories and deferred preservation costs(2,165)Other(6,031)Receivables(6,031)Receivables(6,446)Net cash flows provided by operating activities:—Proceeds from sale of non-financial assets, net—Proceeds from sale of activities:—Proceeds from surger activities:—Proceeds from revolving activities:—Proceeds from revolving activities:—Proceeds from revolving redit facility30,000Proceeds from revolving insurance premiums—Proceeds from rev	Loss on extinguishment of debt	3,669	_
Fair value adjustment of long-term loan       —       —       Cain from sale of non-financial assets       —       …<		1,508	2,021
Gain from sale of non-financial assets       — (1         Change in fair value of contingent consideration       (15,680)       1         Other       1,178         Changes in operating assets and liabilities:       (2,165)       (         Inventories and deferred preservation costs       (2,165)       (         Prepaid expenses and other assets       (5,224)       (         Accounts payable, accrued expenses, and other liabilities       (6,61)       (         Receivables       (6,6446)       (       (         Net cash flows from investing activities:       —       1         Proceeds from sale of non-financial assets, net       —       1         Payments for Endospan Agreement       —       1         Capital expenditures       (6,124)       (         Net cash flows from financing activities:       —       1         Proceeds from financing activities:       —       1         Proceeds from revolving credit facility       30,000       30,000         Proceeds from financing insurance premiums       —       —         Proceeds from financing insurance premiums       —       —         Principal payments on short-term notes payable       (11,027)       P         Principal payment of debt       (211,688)	Deferred income taxes	994	(8,073)
Gain from sale of non-financial assets       — (1         Change in fair value of contingent consideration       (15,680)       1         Other       1,178         Changes in operating assets and liabilities:       (2,165)       (         Inventories and deferred preservation costs       (2,165)       (         Prepaid expenses and other assets       (5,224)       (         Accounts payable, accrued expenses, and other liabilities       (6,61)       (         Receivables       (6,6446)       (       (         Net cash flows from investing activities:       —       1         Proceeds from sale of non-financial assets, net       —       1         Payments for Endospan Agreement       —       1         Capital expenditures       (6,124)       (         Net cash flows from financing activities:       —       1         Proceeds from financing activities:       —       1         Proceeds from revolving credit facility       30,000       30,000         Proceeds from financing insurance premiums       —       —         Proceeds from financing insurance premiums       —       —         Principal payments on short-term notes payable       (11,027)       P         Principal payment of debt       (211,688)	Fair value adjustment of long-term loan	_	5,000
Other1,178Changes in operating assets and liabilities:			(14,250)
Changes in operating assets and liabilities:       (2,165)         Inventories and deferred preservation costs       (2,165)         Prepaid expenses and other assets       (6,031)         Accounts payable, accrued expenses, and other liabilities       (6,031)         Receivables       (6,446)         Net cash flows provided by operating activities:       642         Proceeds from sale of non-financial assets, net       -         Payments for Endospan Agreement       -         Chaital expenditures       (6,124)         Net cash flows (used in) provided by investing activities       (6,124)         Proceeds from financing activities:       (6,124)         Vet cash flows from financing activities:       (6,124)         Proceeds from financing activities:       190,000         Proceeds from from financing activities:       190,000         Proceeds from financing insurance of debt       190,000         Proceeds from reversies of stock options and issuance of common stock       3,587         Proceeds from financing insurance premiums       -         Principal payments on short-term notes payable       (1,027)         Payment of debt       (211,688)         Other       (272)         Net cash flows provided by financing activities       556         Effect of exchan	Change in fair value of contingent consideration	(15,680)	15,700
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Accounts payable, accrued expenses, and other liabilities(6,031) ReceivablesReceivables(6,446)Net cash flows provided by operating activities642Proceeds from sale of non-financial assets, net-Payments for Endospan Agreement-Capital expenditures(6,124)Net cash flows from financing activities:(6,124)Net cash flows from financing activities:(6,124)Proceeds from sale of obt190,000Proceeds from evolving credit facility30,000Proceeds from evolving credit facility30,000Proceeds from soluties costs-Proceeds from financing activities:-Proceeds from evolving credit facility30,000Proceeds from evolving credit facility30,000Proceeds from financing insurance premiumsPrincipal payments on short-term notes payable(1,027)Payment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,940Standards58,940	Inventories and deferred preservation costs	(2,165)	(6,921
Receivables(6,446)Net cash flows provided by operating activities642Net cash flows from investing activities:-Proceeds from sale of non-financial assets, net-Payments for Endospan Agreement-Capital expenditures(6,124)Net cash flows (used in) provided by investing activities(6,124)Net cash flows from financing activities:(6,124)Proceeds from issuance of debt190,000Proceeds from revolving credit facility30,000Proceeds from revolving credit facility30,000Proceeds from revolving credit facility30,000Proceeds from short-term notes payable(1,027)Payment of debt issuance ocsts(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005Cash and cash equivalents beginning of period58,9403	Prepaid expenses and other assets	(5,224)	(2,317
Net cash flows provided by operating activities       642         Net cash flows from investing activities:       -         Proceeds from sale of non-financial assets, net       -         Payments for Endospan Agreement       -         Capital expenditures       (6,124)         Net cash flows from financing activities       (6,124)         Net cash flows (used in) provided by investing activities       (6,124)         Net cash flows from financing activities:       -         Proceeds from issuance of debt       190,000         Proceeds from evolving credit facility       30,000         Proceeds from issuance of common stock       3,587         Proceeds from financing insurance premiums       -         Principal payments on short-term notes payable       (1,027)         Payment of debt issuance costs       (211,688)         Other       (272)         Net cash flows provided by financing activities       556         Effect of exchange rate changes on cash and cash equivalents       (3,921)         Cash and cash equivalents beginning of period       58,940       3	Accounts payable, accrued expenses, and other liabilities	(6,031)	1,607
Net cash flows from investing activities:-Proceeds from sale of non-financial assets, net-Payments for Endospan Agreement-Capital expenditures(6,124)Net cash flows (used in) provided by investing activities(6,124)Net cash flows from financing activities:(6,124)Proceeds from issuance of debt190,000Proceeds from evolving credit facility30,000Proceeds from evolving credit facility30,000Proceeds from financing insurance premiums-Principal payments on short-term notes payable(1,027)Payment of debt(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005Cash and cash equivalents beginning of period58,9403	Receivables	(6,446)	655
Proceeds from sale of non-financial assets, net—1Payments for Endospan Agreement—(f)Capital expenditures(f)(f)Net cash flows (used in) provided by investing activities(f)Net cash flows from financing activities:(f)Proceeds from issuance of debt190,000Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from financing insurance premiums—Principal payments on short-term notes payable(1,027)Payment of debt(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005Cash and cash equivalents beginning of period58,9403	Net cash flows provided by operating activities	642	755
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Net cash flows (used in) provided by investing activities(6,124)Net cash flows from financing activities:90,000Proceeds from issuance of debt190,000Proceeds from revolving credit facility30,000Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from financing insurance premiums—Principal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,940338,940	Payments for Endospan Agreement		(5,000)
Net cash flows from financing activities:Proceeds from issuance of debt190,000Proceeds from revolving credit facility30,000Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from financing insurance premiumsPrincipal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,9403	Capital expenditures	(6,124)	(5,015)
Proceeds from issuance of debt190,000Proceeds from revolving credit facility30,000Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from financing insurance premiums—Principal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Cash and cash equivalents beginning of period58,94033	Net cash flows (used in) provided by investing activities	(6,124)	4,235
Proceeds from issuance of debt190,000Proceeds from revolving credit facility30,000Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from financing insurance premiums—Principal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Cash and cash equivalents beginning of period58,94033	Net cash flows from financing activities:		
Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from financing insurance premiums—Principal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,9403	8	190,000	
Proceeds from exercise of stock options and issuance of common stock3,587Proceeds from financing insurance premiums—Principal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,9403	Proceeds from revolving credit facility	30,000	
Proceeds from financing insurance premiums—Principal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,9403		3,587	2,581
Principal payments on short-term notes payable(1,027)Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,9403			3,558
Payment of debt issuance costs(10,044)Repayment of debt(211,688)Other(272)Net cash flows provided by financing activities556Effect of exchange rate changes on cash and cash equivalents1,005(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,9403		(1,027)	(529
Repayment of debt(211,688)(Other(272)(Net cash flows provided by financing activities556(Effect of exchange rate changes on cash and cash equivalents1,005((Decrease) increase in cash and cash equivalents(3,921)(Cash and cash equivalents beginning of period58,9403			
Other       (272)         Net cash flows provided by financing activities       556         Effect of exchange rate changes on cash and cash equivalents       1,005         (Decrease) increase in cash and cash equivalents       (3,921)         Cash and cash equivalents beginning of period       58,940       3		(211,688)	(1,381
Net cash flows provided by financing activities       556         Effect of exchange rate changes on cash and cash equivalents       1,005         (Decrease) increase in cash and cash equivalents       (3,921)         Cash and cash equivalents beginning of period       58,940       3		(272)	(825)
(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,9403	Net cash flows provided by financing activities		3,404
(Decrease) increase in cash and cash equivalents(3,921)Cash and cash equivalents beginning of period58,9403	Effect of exchange rate changes on cash and cash equivalents	1,005	1,030
			9,424
	Cash and cash equivalents beginning of period	58,940	39,351
Cash and cash equivalents end of period $\frac{3}{53,017}$ $\frac{3}{5}$ $\frac{3}{5}$	Cash and cash equivalents end of period	\$ 55,019 <b></b>	48,775

See accompanying Notes to Condensed Consolidated Financial Statements

## Artivion, Inc. and Subsidiaries Condensed Consolidated Statements of Shareholders' Equity In Thousands

(Unaudited)

	Com Sto	mon ock		A	Additional Paid-In Capital	Retained Deficit		ccumulated Other mprehensive Loss		asury tock	Sh	Total areholders' Equity
	Shares	Aı	nount				-		Shares	Amount		
Balance at March 31, 2024	43,224	\$	432	\$	363,113	\$(40,374)	\$	(13,538)	(1,487)	\$(14,648)	\$	294,985
Net loss	_		_		_	(2,121)		_	_	_		(2,121)
Other comprehensive loss, net of tax			—		—	—		(2,323)				(2,323)
Equity compensation	52		1		4,455	_		_	_	_		4,456
Exercise of options	3		—		59	—		—				59
Balance at June 30, 2024	43,279	\$	433	\$	367,627	\$(42,495)	\$	(15,861)	(1,487)	\$(14,648)	\$	295,056

	Com Sto	mon ock		]	dditional Paid-In Capital	Retained Deficit	 cumulated Other nprehensive Loss		asury ock	Sh	Total areholders' Equity
	Shares	An	iount					Shares	Amount		
Balance at December 31, 2023	42,569	\$	426	\$	355,919	\$(47,907)	\$ (12,010)	(1,487)	\$(14,648)	\$	281,780
Net income	_		_		_	5,412	_	_	_		5,412
Other comprehensive loss, net of tax			—			—	(3,851)		—		(3,851)
Equity compensation	488		5		8,123	—	—		—		8,128
Exercise of options	171		2		2,846	—	—	_	—		2,848
Employee stock purchase plan	51		—		739	—	—		—		739
Balance at June 30, 2024	43,279	\$	433	\$	367,627	\$(42,495)	\$ (15,861)	(1,487)	\$(14,648)	\$	295,056

See accompanying Notes to Condensed Consolidated Financial Statements

# Artivion, Inc. and Subsidiaries Condensed Consolidated Statements of Shareholders' Equity (continued) In Thousands

(Unaudited)

	Com Sto			1	Additional Paid-In Capital	Retained Deficit	 ccumulated Other mprehensive Loss		asury tock	~~~~	Total areholders' Equity
	Shares	A	mount				 	Shares	Amount		
Balance at March 31, 2023	42,366	\$	424	\$	342,883	\$(30,749)	\$ (17,993)	(1,487)	\$(14,648)	\$	279,917
Net loss	_		_		_	(3,382)	_	_	_		(3,382)
Other comprehensive income, net of tax			—			—	1,826		—		1,826
Equity compensation	75				4,119	_	_	_			4,119
Redemption and repurchase of stock to cover tax withholdings	2				28	_	_	_	_		28
Balance at June 30, 2023	42,443	\$	424	\$	347,030	\$(34,131)	\$ (16,167)	(1,487)	\$(14,648)	\$	282,508

	Com Sto	mon ock		1	Additional Paid-In Capital	Retained Deficit	 ccumulated Other mprehensive Loss		asury tock	Sh	Total areholders' Equity
	Shares	Aı	nount					Shares	Amount		
Balance at December 31, 2022	41,830	\$	418	\$	337,385	\$(17,217)	\$ (21,609)	(1,487)	\$(14,648)	\$	284,329
Net loss	_		_		_	(16,914)	_	_	_		(16,914)
Other comprehensive income, net of tax	—		—		—		5,442				5,442
Equity compensation	401		4		7,629	_			_		7,633
Exercise of options	196		2		2,004	—					2,006
Employee stock purchase plan	56		1		574	_			_		575
Redemption and repurchase of stock to cover tax withholdings	(40)		(1)		(562)	_	_	_	_		(563)
Balance at June 30, 2023	42,443	\$	424	\$	347,030	\$(34,131)	\$ (16,167)	(1,487)	\$(14,648)	\$	282,508

## Artivion, Inc. and Subsidiaries Notes to Condensed Consolidated Financial Statements (Unaudited)

## 1. Basis of Presentation and Summary of Significant Accounting Policies

## Overview

The accompanying Condensed Consolidated Financial Statements include the accounts of Artivion, Inc. and its subsidiaries ("Artivion," the "Company," "we," or "us"). All significant intercompany accounts and transactions have been eliminated in consolidation. The accompanying Consolidated Balance Sheet as of December 31, 2023 has been derived from audited financial statements. The accompanying unaudited Condensed Consolidated Financial Statements as of, and for the three and six months ended, June 30, 2024 and 2023 have been prepared in accordance with (i) accounting principles generally accepted in the United States of America ("US GAAP") for interim financial information and (ii) the instructions to Form 10-Q and Rule 10-01 of Regulation S-X of the US Securities and Exchange Commission (the "SEC"). Accordingly, such statements do not include all the information and disclosures that are required by US GAAP for a complete presentation of financial statements. In the opinion of management, all adjustments (including those of a normal, recurring nature) considered necessary for a fair presentation have been included. Certain prior-year amounts have been reclassified to conform to the current year presentation. Operating results for the three and six months ended June 30, 2024 are not necessarily indicative of the results that may be expected for the year ending December 31, 2024. These Condensed Consolidated Financial Statements should be read in conjunction with the Consolidated Financial Statements and Notes included in Artivion's Annual Report on Form 10-K for the year ended December 31, 2023 filed with the SEC on February 23, 2024.

## Significant Accounting Policies

A summary of our significant accounting policies is included in Note 1 of the "Notes to Consolidated Financial Statements" contained in our Form 10-K for the year ended December 31, 2023. Management believes that the consistent application of these policies enables us to provide users of the financial statements with useful and reliable information about our operating results and financial condition. The Condensed Consolidated Financial Statements are prepared in accordance with US GAAP, which require us to make estimates and assumptions. We did not experience any significant changes during the three and six months ended June 30, 2024 in any of our Significant Accounting Policies from those contained in our Form 10-K for the year ended December 31, 2023.

## New Accounting Standards

## Not Yet Effective

In December 2023 the FASB issued ASU 2023-09, *Income Taxes Topic 740 - Improvements to Income Tax Disclosures*. This amendment is expected to enhance the transparency and decision usefulness of income tax disclosures by requiring public business entities, on an annual basis, to disclose specific categories in the rate reconciliation, additional information for reconciling items that meet a quantitative threshold, and certain information about income taxes paid. This revised guidance is effective for financial statements issued for fiscal years beginning after December 15, 2024. We are currently evaluating the impacts of the new standard.

In November 2023 the FASB issued ASU 2023-07, *Segment Reporting Topic 280 - Improvements to Reportable Segment Disclosures*. This amendment requires disclosure of incremental segment information on an annual and interim basis. This ASU is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, and requires retrospective application to all prior periods presented in the financial statements. We are currently evaluating the impacts of the new standard.

### 2. Sale of PerClot

#### Overview

On July 28, 2021 we entered into an asset purchase agreement, Transitional Manufacturing and Supply Agreement ("TMSA"), and other ancillary agreements related to the sale of PerClot<sup>®</sup>, a polysaccharide hemostatic agent used in surgery ("PerClot"), to a subsidiary of Baxter International, Inc. ("Baxter") and an agreement to terminate all of our material agreements with Starch Medical, Inc. ("SMI") related to PerClot (collectively the "Baxter Transaction"). Under the terms of the Baxter Transaction, Baxter will pay an aggregate of up to \$54.5 million in consideration (we will receive up to \$41.0 million and SMI will receive up to \$13.5 million), consisting of (i) \$25.0 million at closing, of which \$6.0 million was paid to SMI; (ii) \$18.8 million upon our receipt of Premarket Approval ("PMA") from the US Food and Drug Administration (the "FDA") for PerClot and our transfer of the PMA to Baxter, of which \$4.5 million was paid to SMI; and (iii) up to \$10.0 million upon Baxter's achievement of certain cumulative worldwide net sales of PerClot prior to December 31, 2027, of which up to \$3.0 million is payable to SMI. In addition, at the conclusion of our manufacturing and supply services for Baxter certain transition services relating to the sale of SMI PerClot outside of the US. Within the terms of the TMSA, we will manufacture and supply PerClot for Baxter post PMA for a contractual period of 21 months, subject to short-term renewal provisions.

## PerClot PMA

On May 23, 2023 the FDA granted PMA of PerClot for use to control bleeding in certain open and laparoscopic surgical procedures. Pursuant to the terms of the TMSA of the Baxter Transaction, we transferred the ownership of the PMA to Baxter following approval. In May 2023 we received a payment of \$18.8 million from Baxter, of which \$4.5 million was paid to SMI. As a result, we recorded a pre-tax gain of \$14.3 million as the assets were derecognized upon closing of the Baxter Transaction in fiscal year 2021, included as Gain from sale of non-financial assets within the Condensed Consolidated Statements of Operations and Comprehensive Loss for the three and six months ended June 30, 2023.

Following receipt of the PMA, under the terms of the TMSA, we began manufacturing and supplying PerClot for Baxter and recorded \$320,000 and \$1.3 million of PerClot revenues on the Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income during the three and six months ended June 30, 2024, respectively. We recorded \$1.6 million of PerClot revenues on the Condensed Consolidated Statements of Operations and Comprehensive Loss during the three and six months ended June 30, 2023

The Company accounted for this TMSA in accordance with the provision of ASU 2016-02, *Leases Topic 842* ("ASC 842") by bifurcating the lease and non-lease components and recognizing each component based on ASC 842 and ASU 2014-09, *Revenue from Contracts with Customers Topic 606*.

### 3. Agreements with Endospan

#### **Exclusive Distribution Agreement and Securities Purchase Option Agreement**

On September 11, 2019 Artivion's wholly owned subsidiary, JOTEC GmbH ("JOTEC"), entered into an exclusive distribution agreement with Endospan Ltd. ("Endospan"), an Israeli corporation, pursuant to which JOTEC obtained exclusive distribution rights for NEXUS<sup>®</sup> and related accessories in certain countries in Europe in exchange for a fixed distribution fee of \$9.0 million paid in September 2019.

We also entered into a securities purchase option agreement ("Endospan Option") with Endospan for \$1.0 million paid in September 2019. The Endospan Option provides Artivion the option to purchase all the outstanding securities of Endospan from Endospan's securityholders at the time of acquisition, or the option to acquire all of Endospan's assets, in each case, for a price between \$350.0 and \$450.0 million before, or within a certain period of time after FDA approval of NEXUS, with such option expiring if not exercised within 90 days after receiving notice that Endospan has received approval from the FDA for NEXUS.

On July 1, 2024 Artivion and Endospan entered into an amendment to the Endospan Option ("Endospan Option Amendment") which amended the terms of the previously existing Endospan Option. See Note 15 for further discussion of the Endospan Option Amendment.



## Loan Agreement

Artivion and Endospan also entered into a loan agreement (the "Endospan Loan"), dated September 11, 2019, in which Artivion agreed to provide Endospan a secured loan of up to \$15.0 million to be funded in three tranches of \$5.0 million each.

The first tranche of the Endospan Loan was funded upon execution of the agreement in September 2019. In September 2020 we funded the second tranche payment of \$5.0 million upon the certification of the NEXUS IDE from the FDA. In May 2023 we funded the third tranche payment of \$5.0 million upon the certification of enrollment of 50% of the required number of patients in the primary arm of the FDA approved clinical trial for NEXUS.

We elected the fair value option for recording the Endospan Loan. We assess the fair value of the Endospan Loan based on quantitative and qualitative characteristics and adjust the amount recorded to its current fair market value at each reporting period. We performed an assessment of the fair value of the Endospan Loan, including the funding of the third tranche payment in May 2023. We determined that the loan had no fair value as of June 30, 2023 and recorded a \$5.0 million expense included in Other expense, net within the Condensed Consolidated Statements of Operations and Comprehensive Loss for the three and six months ended June 30, 2023.

On July 1, 2024 Artivion and Endospan entered into an amended and restated loan agreement ("Endospan Loan Amendment") which amended the terms of the previously existing Endospan Loan. See Note 15 for further discussion of the Endospan Loan Amendment.

## 4. Financial Instruments

The following is a summary of our financial instruments measured at fair value on a recurring basis (in thousands):

June 30, 2024	Level 1	Level 2	Level 3	Total
Cash equivalents:				
Money market funds	\$ 24,161	\$ _	\$ _	\$ 24,161
Certificates of deposit	3,960	—	—	3,960
Total assets	\$ 28,121	\$ 	\$ 	\$ 28,121
Long-term liabilities:				
Contingent consideration	 	 	 (48,210)	 (48,210)
Total liabilities	\$ 	\$ 	\$ (48,210)	\$ (48,210)
December 31, 2023	Level 1	Level 2	Level 3	Total
Cash equivalents:				
Money market funds	\$ 22,802	\$ _	\$ _	\$ 22,802
Certificates of deposit	3,968	_	_	3,968
Total assets	\$ 26,770	\$ 	\$ 	\$ 26,770
Long-term liabilities:				
Contingent consideration			(63,890)	(63,890)
Total liabilities	\$ _	\$ _	\$ (63,890)	\$ (63,890)

We used prices quoted from our investment advisors to determine the Level 1 valuation of our investments in money market funds and certificates of deposit. The estimated market value of all cash equivalents is equal to cost basis as there were no gross realized gains or losses on cash equivalents for the three and six months ended June 30, 2024 and 2023.



On September 2, 2020 we entered into a Securities Purchase Agreement to acquire 100% of the outstanding equity interests of Ascyrus Medical LLC ("Ascyrus"). Ascyrus developed the Ascyrus Medical Dissection Stent ("AMDS") hybrid prosthesis, the world's first aortic arch remodeling device for use in the treatment of acute Type A aortic dissections. As part of the acquisition, we may be required to pay additional consideration in cash of up to \$100.0 million to the former shareholders of Ascyrus upon the achievement of certain milestones and the sales-based additional earnout.

The contingent consideration represents the estimated fair value of future potential payments. The fair value of the contingent consideration liability was estimated by discounting to present value the contingent payments expected to be made based on a probability-weighted scenario approach. We applied a discount rate based on our unsecured credit spread and the term commensurate risk-free rate to the additional consideration to be paid, and then applied a risk-based estimate of the probability of achieving each scenario to calculate the fair value of the contingent consideration. This fair value measurement was based on unobservable inputs, including management estimates and assumptions about the future achievement of milestones and future estimate of revenues, and is, therefore, classified as Level 3 within the fair value hierarchy. We used a discount rate of approximately 17% and estimated future achievement of milestone dates between 2025 and 2026 to calculate the fair value of contingent consideration as of June 30, 2024. We will remeasure this liability at each reporting date and will record changes in the fair value of the contingent consideration in General, administrative, and marketing expenses on the Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income. Increases or decreases in the fair value of the contingent consideration liability can result from changes in passage of time, discount rates, the timing and amount of our revenue estimates, and the timing and expectation of regulatory approvals.

We performed an assessment of the fair value of the contingent consideration and recorded a fair value increase of \$1.8 million and a fair value reduction of \$15.7 million for the three and six months ended June 30, 2024, respectively, as compared to a fair value increase of \$10.9 million and \$15.7 million for the three and six months ended June 30, 2023, respectively, in General, administrative, and marketing expenses on the Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income, as a result of this assessment. The reduction in the fair value for the six months ended June 30, 2024 was primarily due to an increase in the credit risk spread resulting from the change in the inputs related to the newly issued Credit Facilities in the first quarter of 2024, as further discussed in Note 9.

The fair value of the contingent consideration component of the Ascyrus acquisition was updated using Level 3 inputs. Changes in fair value of Level 3 assets and liabilities are listed in the table below (in thousands):

	Contingent nsideration
Balance as of December 31, 2023	\$ (63,890)
Change in valuation	15,680
Balance as of June 30, 2024	\$ (48,210)

The determination of fair value and the assessment of a measurement's placement within the hierarchy requires judgment. Level 3 valuations often involve a higher degree of judgment and complexity. Although we believe that the recorded fair values of our financial instruments are appropriate, these fair values may not be reflective of future fair values.

The contingent consideration liability of \$48.2 million and \$63.9 million was included in Long-term liabilities on the Condensed Consolidated Balance Sheets as of June 30, 2024 and the Consolidated Balance Sheets as of December 31, 2023, respectively.

## 5. Inventories, net and Deferred Preservation Costs

Inventories, net at June 30, 2024 and December 31, 2023 were comprised of the following (in thousands):

	J	June 30, 2024	Dec	ember 31, 2023
Raw materials and supplies	\$	36,521	\$	36,907
Work-in-process		13,533		12,687
Finished goods		30,748		32,382
Total inventories, net	\$	80,802	\$	81,976

To facilitate product usage, we maintain consignment inventory of our  $On-X^{\text{(B)}}$  heart valves at domestic hospital locations and On-X heart valves and aortic stent grafts at international hospital locations. We retain title and control over this consignment inventory until we receive a notification of implantation, at which time we invoice the hospital and recognize revenue. As of June 30, 2024 we had \$10.5 million in consignment inventory, with approximately 41% in domestic locations and 59% in international locations. As of December 31, 2023 we had \$10.7 million in consignment inventory, with approximately 44% in domestic locations and 56% in international locations.

Total deferred preservation costs were \$50.7 million and \$49.8 million as of June 30, 2024 and December 31, 2023, respectively.

Inventory and deferred preservation costs obsolescence reserves were \$2.9 million and \$3.0 million as of June 30, 2024 and December 31, 2023, respectively.

## 6. Goodwill and Other Intangible Assets

### Indefinite Lived Intangible Assets

As of June 30, 2024 and December 31, 2023 the carrying values of our indefinite lived intangible assets were as follows (in thousands):

	June 30, 2024		December 31, 2023
Goodwill	\$ 244	,008	\$ 247,337
In-process R&D	2	,087	2,154
Procurement contracts and agreements	2	,013	2,013

We monitor the phases of development of our acquired in-process research and development projects, including the risks associated with further development and the amount and timing of benefits expected to be derived from the completed projects. Incremental costs associated with development are charged to expense as incurred. Capitalized costs are amortized over the estimated useful life of the developed asset once completed. Our in-process research and development projects are reviewed for impairment annually, or more frequently, if events or changes in circumstances indicate that the asset might be impaired. We did not record any impairment of indefinite lived intangible assets during the three and six months ended June 30, 2024. In-process research and development, procurement contracts and agreements were included in Other intangibles, net on the Condensed Consolidated Balance Sheets as of June 30, 2024 and the Consolidated Balance Sheets as of December 31, 2023.

Based on our experience with similar agreements, we believe that our acquired procurement contracts and agreements have indefinite useful lives, as we expect to continue to renew these contracts for the foreseeable future.

We evaluate our goodwill and non-amortizing intangible assets for impairment on an annual basis during the fourth quarter of the year, and, if necessary, during interim periods if factors indicate that an impairment review is warranted. As of June 30, 2024 we concluded that our assessment of current factors did not indicate that goodwill or non-amortizing intangible assets are more likely than not to be impaired. We will continue to evaluate the recoverability of these non-amortizing intangible assets in future periods as necessary.

As of June 30, 2024 and December 31, 2023 the carrying value of goodwill, all of which is related to our Medical Devices segment, was as follows (in thousands):

	al Devices gment
Balance as of December 31, 2023	\$ 247,337
Foreign currency translation	(3,329)
Balance as of June 30, 2024	\$ 244,008

# Definite Lived Intangible Assets

The definite lived intangible assets balance includes balances related to acquired technology, customer relationships, distribution and manufacturing rights and know-how, patents, and other definite lived intangible assets. As of June 30, 2024 and December 31, 2023 the gross carrying values, accumulated amortization, and approximate amortization period of our definite lived intangible assets were as follows (in thousands, except weighted average useful life):

June 30, 2024	Gı	coss Carrying Value	Accumulated Amortization	ľ	Net Carrying Value	Weighted Average Useful Life (Years)
Acquired technology	\$	198,773	\$ 63,622	\$	135,151	18.2
Other intangibles:						
Customer lists and relationships		28,668	10,976		17,692	21.6
Distribution and manufacturing rights and know-how		9,308	8,435		873	5.0
Patents		4,361	3,246		1,115	17.0
Other		10,117	4,636		5,481	5.0
Total other intangibles	\$	52,454	\$ 27,293	\$	25,161	9.6

December 31, 2023	Gro	oss Carrying Value	Accumulated Amortization	I	Net Carrying Value	Weighted Average Useful Life (Years)
Acquired technology	\$	201,897	\$ 59,304	\$	142,593	18.2
Other intangibles:						
Customer lists and relationships		28,729	10,334		18,395	21.6
Distribution and manufacturing rights and know-how		9,608	7,807		1,801	5.0
Patents		4,365	3,225		1,140	17.0
Other		7,815	3,680		4,135	5.0
Total other intangibles	\$	50,517	\$ 25,046	\$	25,471	10.0

## Amortization Expense

The following is a summary of amortization expense as recorded in General, administrative, and marketing expenses on our Condensed Consolidated Statement of Operations and Comprehensive (Loss) Income (in thousands):

	Three Moi Jun	nths E e 30,	Ended		ths E e 30,	hs Ended e 30,		
	 2024		2023	 2024		2023		
Amortization expense	\$ 3,793	\$	3,805	\$ 7,660	\$	7,687		

As of June 30, 2024 scheduled amortization of intangible assets for the next five years is as follows (in thousands):

	Remainder of 2024	2025	2026	2027	2028	2029	Total
Amortization expense	\$ 7,565	\$ 13,208	\$ 12,909	\$ 12,804	\$ 12,584	\$ 12,323	\$ 71,393



### 7. Income Taxes

### Income Tax Expense

Our effective income tax rate was a benefit of 13% and an expense of 48% for the three and six months ended June 30, 2024, respectively, as compared to an expense of 27% and 46% for the three and six months ended June 30, 2023, respectively. Our income tax rate for the three and six months ended June 30, 2024 and 2023 was primarily impacted by changes in our valuation allowance against our net deferred tax assets, non-deductible executive compensation, the foreign derived intangible income deduction, the research and development tax credit, changes in our uncertain tax position liabilities, and tax-effected impact of stock based compensation.

## **Deferred Income Taxes**

We generate deferred tax assets primarily as a result of finance and operating leases, net operating losses, excess interest carryforward, change in contingent consideration, accrued compensation, and stock compensation. Our deferred tax liabilities are primarily comprised of intangible assets acquired in previous years, finance and operating leases, and unrealized gains and losses.

We maintained a net deferred tax liability of \$18.4 million and \$20.8 million as of June 30, 2024 and December 31, 2023, respectively. Our valuation allowance against our deferred tax assets was \$29.4 million and \$32.9 million as of June 30, 2024 and December 31, 2023, respectively, primarily related to net operating loss carryforwards, disallowed excess interest carryforwards, change in contingent consideration, and capitalized research and development expenses.

### 8. Leases

We have operating and finance lease obligations resulting from the lease of land and buildings that comprise our corporate headquarters and various manufacturing facilities; leases related to additional manufacturing, office, and warehouse space; leases on company vehicles; and leases on a variety of office and other equipment.

Information related to leases included in the Condensed Consolidated Balance Sheets was as follows (in thousands, except lease term and discount rate):

Operating leases:	June 30, 2024	Dec	ember 31, 2023
Operating lease right-of-use assets, net	\$ 41,655	\$	43,822
Current maturities of operating leases	\$ 3,283	\$	3,395
Non-current maturities of operating leases	41,967		43,977
Total operating lease liabilities	\$ 45,250	\$	47,372
Finance leases:			
Property and equipment, at cost	\$ 6,913	\$	6,862
Accumulated amortization	(3,338)		(3,136)
Property and equipment, net	\$ 3,575	\$	3,726
Current maturities of finance leases	\$ 621	\$	582
Non-current maturities of finance leases	3,202		3,405
Total finance lease liabilities	\$ 3,823	\$	3,987
Weighted average remaining lease term (in years):			
Operating leases	10.0		10.4
Finance leases	6.2		6.8
Weighted average discount rate:			
Operating leases	6.3%		6.3%
Finance leases	2.4%		2.2%

Current maturities of finance leases are included as a component of Other current liabilities on our Condensed Consolidated Balance Sheets. A summary of lease expenses for our finance and operating leases included in General, administrative, and marketing expenses on our Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income was as follows (in thousands):

	Three Mon Jun	nths H e 30,	Ended	Six Months Ended June 30,				
	 2024 2023						2023	
Amortization of property and equipment	\$ 162	\$	133	\$	309	\$	264	
Interest expense on finance leases	23		21		45		42	
Total finance lease expense	 185		154		354		306	
Operating lease expense	1,977		1,829		3,897		3,631	
Sublease income	(70)				(199)		—	
Total lease expense	\$ 2,092	\$	1,983	\$	4,052	\$	3,937	

A summary of our cash flow information related to leases was as follows (in thousands):

	Six Mont Jun	ths En e 30,	ded
Cash paid for amounts included in the measurement of lease liabilities:	 2024		2023
Operating cash flows for operating leases	\$ 3,852	\$	3,627
Financing cash flows for finance leases	308		264
Operating cash flows for finance leases	45		42

Future minimum lease payments and sublease rental income are as follows (in thousands):

	Finance Leases			Operating Leases
Remainder of 2024	\$	338	\$	2,312
2025		692		7,322
2026		671		6,797
2027		660		6,149
2028		625		5,836
Thereafter		1,104		33,757
Total minimum lease payments		4,090		62,173
Less amount representing interest		(267)		(16,923)
Present value of net minimum lease payments		3,823		45,250
Less current maturities		(621)		(3,283)
Lease liabilities, less current maturities	\$	3,202	\$	41,967

### 9. Debt

### **Credit Facilities**

On January 18, 2024 we entered into a credit and guaranty agreement with Ares Management Credit funds for \$350.0 million of senior secured, interestonly, credit facilities, consisting of a \$190.0 million secured term loan facility (the "Initial Term Loan Facility"), a \$100.0 million secured delayed draw term loan facility (the "Delayed Draw Term Loan Facility" and, together with the Initial Term Loan Facility, the "Term Loan Facilities") and a \$60.0 million "senior-priority" secured revolving credit facility which has a priority claim ahead of the other secured facilities (the "Revolving Credit Facility" and, together with the Term Loan Facilities, the "Credit Facilities"). The final scheduled maturity date of the Credit Facilities is January 18, 2030. There are no scheduled repayments of principal required to be made prior to the final maturity date. We have the right to prepay loans under the Ares Credit Agreement in whole or in part at any time, provided that any prepayment of loans under the Term Loan Facilities (or loans under the Revolving Credit Facility to the extent of reducing the balance of outstanding loans below \$30.0 million) will be subject to a prepayment premium of 5.00% if the prepayment occurs prior to January 18, 2025 and 1.00% if the prepayment occurs thereafter and prior to January 18, 2026. Amounts repaid in respect of loans under the Initial Term Loan Facilities may not be reborrowed. The Credit Facilities are secured by a security interest in substantially all existing and after-acquired real and personal property (subject to certain exceptions and exclusions) of us and the Guarantors.

Upon closing, we borrowed \$190.0 million under the Initial Term Loan Facility and \$30.0 million under the Revolving Credit Facility. The remaining \$30.0 million of undrawn availability under the Revolving Credit Facility may be drawn for working capital, capital expenditures, and other general corporate purposes. The Delayed Draw Term Loan Facility remained undrawn as of June 30, 2024.

We paid \$6.5 million of debt issuance costs related to the Initial Term Loan Facility which are included in Long-term debt on the Condensed Consolidated Balance Sheets as of June 30, 2024 and amortized, thereafter, over the life of the Initial Term Loan Facility. We paid \$3.7 million of debt issuance costs related to the Delayed Draw Term Loan Facility and Revolving Credit Facility which are included in Other long-term assets on the Condensed Consolidated Balance Sheets as of June 30, 2024.

We recognized \$6.9 million and \$12.7 million of interest expense on the Credit Facilities for the three and six months ended June 30, 2024, respectively, of which \$298,000 and \$639,000 represent non-cash amortization of debt issuance costs for the three and six months ended June 30, 2024, respectively. There was approximately \$6.0 million of unamortized debt issuance costs related to the Initial Term Loan Facility as of June 30, 2024.

The proceeds of the initial borrowings were used along with cash on hand to pay off our previously existing credit agreement, dated as of December 1, 2017, and pay related fees and expenses. As a result of this transaction, we recorded a loss on extinguishment of our previously existing debt of \$3.7 million during the six months ended June 30, 2024 on our Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income. The proceeds of borrowings under the Delayed Draw Term Loan Facility may be used solely to repurchase or repay our outstanding 4.25% Convertible Senior Notes due July 1, 2025 and to pay related fees and expenses. Subject to the satisfaction of a specified maximum total net leverage ratio and other customary conditions, we may borrow under the Delayed Draw Term Loan Facility at any time and from time to time on or prior to the maturity date of the convertible bonds on July 1, 2025. Loans borrowed under the Delayed Draw Term Loan Facility generally have the same terms as the loans under the Initial Term Loan Facility.

The Credit Facilities contain certain customary affirmative and negative covenants, including covenants that limit our ability and the ability of our subsidiaries to, among other things, grant liens, incur debt, dispose of assets, make loans and investments, make acquisitions, make certain restricted payments (including cash dividends), merge or consolidate, change business or accounting or reporting practices, in each case subject to customary exceptions for a credit facility of this size and type. The covenants include a financial maintenance covenant that requires the company's total net leverage ratio, as defined in the agreement, to be not greater than 6.25x for the test periods from the second quarter of fiscal year 2024 through the fourth quarter of fiscal year 2024 and not greater than 5.75x from the first quarter of fiscal year 2025 and thereafter. As of June 30, 2024 we are in compliance with our debt covenants.

The Revolving Credit Facility bears interest, at our option, at a floating annual rate equal to either the base rate plus a margin of 3.00%, or the Adjusted Term Socreal Overnight Financing Rate ("Adjusted Term SOFR") plus a margin of 4.00%. In addition, we will be required to pay fees of 0.50% per annum on the daily unused amount of the Revolving Credit Facility and 1.00% per annum on the daily unused amount of the Delayed Draw Term Loan Facility. The Term Loan Facilities initially bear interest, at our option, at a floating annual rate equal to either the base rate plus a margin of 5.50%, or the Adjusted Term SOFR plus a margin of 6.50%. If, after the second quarter of fiscal year 2025, the company reports total net leverage ratio, as defined in the Credit Facilities, of less than or equal to 3.75x the interest margins applicable to the Term Loan Facilities will be reduced by 25 basis points, to 5.25% and 6.25%, for base rate and Adjusted Term SOFR loans, respectively. As of June 30, 2024 the aggregate interest rate was 11.83% and 9.33% per annum for the Term Loan Facilities and Revolving Credit Facility, respectively.

## **Convertible Senior Notes**

On June 18, 2020 we issued \$100.0 million aggregate principal amount of 4.25% Convertible Senior Notes with a maturity date of July 1, 2025 (the "Convertible Senior Notes"). The net proceeds from this offering, after deducting initial purchasers' discounts and costs directly related to this offering, were approximately \$96.5 million. On January 1, 2021 we adopted ASU 2020-06 and adjusted the carrying balance of the Convertible Senior Notes to notional. The Convertible Senior Notes balance was \$100.0 million recorded in Long-term debt on the Condensed Consolidated Balance Sheets as of June 30, 2024 and the Consolidated Balance Sheets as of December 31, 2023. The Convertible Senior Notes may be settled in cash, stock, or a combination thereof, solely at our discretion. The initial conversion rate of the Convertible Senior Notes is 42.6203 shares per \$1,000 principal amount, which is equivalent to a conversion price of approximately \$23.46 per share, subject to adjustments. We use the if-converted method for assumed conversion of the Convertible Senior Notes for the diluted earnings per share calculation. The fair value and the effective interest rate of the Convertible Senior Notes as of June 30, 2024 was approximately \$125.5 million and 5.05%, respectively. The fair value was based on market prices observable for similar instruments and is considered Level 2 in the fair value hierarchy.

The interest expense recognized on the Convertible Senior Notes includes \$1.2 million and \$2.5 million for both the three and six months ended June 30, 2024 and 2023, respectively, related to the aggregate of the contractual coupon interest and the amortization of the debt issuance costs. Interest on the Convertible Senior Notes began accruing upon issuance and is payable semi-annually. There were approximately \$770,000 and \$1.1 million of unamortized debt issuance costs related to the Convertible Senior Notes as of June 30, 2024 and December 31, 2023, respectively.



Holders of the Convertible Senior Notes may convert their notes at their option at any time prior to January 1, 2025, but only under the following circumstances: (i) during any calendar quarter commencing after the calendar quarter ending on September 30, 2020 (and only during such calendar quarter), if the last reported sale price of our common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding calendar quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (ii) during the five business day period after any five consecutive trading day period in which the trading price per \$1,000 principal amount of notes for each trading day of the measurement period was less than 98% of the product of the last reported sale price of our common stock and the conversion rate on each such trading day; (iii) we give a notice of redemption with respect to any or all of the notes, at any time prior to the close of business on the second scheduled trading day immediately preceding the redemption date; or (iv) upon the occurrence of specified corporate events. On or after January 1, 2025 until the close of business on the second scheduled trading day immediately preceding the rading day immediately preceding the maturity date, holders may convert their notes at any time, regardless of the foregoing circumstances.

We became eligible to redeem the Convertible Senior Notes beginning on July 5, 2023, following the expiration of their non-redemption period. We are able to redeem the Convertible Senior Notes in whole or in part, at our option, if the last reported sale price per share of our common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which we provide notice of redemption. We may redeem for cash all or part of the Convertible Senior Notes at a redemption price equal to 100% of the principal amount of the redeemable Convertible Senior Notes, plus accrued and unpaid interest to, but excluding, the redemption date. No principal payments are due on the Convertible Senior Notes prior to maturity. Other than restrictions relating to certain fundamental changes and consolidations, mergers or asset sales and customary anti-dilution adjustments, the Convertible Senior Notes do not contain any financial covenants and do not restrict us from conducting significant restructuring transactions or issuing or repurchasing any of our other securities. As of June 30, 2024 and December 31, 2023 we are not aware of any current events or market conditions that would allow holders to convert the Convertible Senior Notes.

### Loan Balances

The short-term and long-term balances of our Initial Term Loan Facility, Revolving Credit Facility, and other long-term borrowings were as follows (in thousands):

	June 30, 2024	December 31, 2023
Initial Term Loan Facility	\$ 190,000	\$ —
Revolving Credit Facility	30,000	—
Convertible Senior Notes	100,000	100,000
Term loan balance	—	211,500
2.45% Sparkasse Zollernalb (KFW Loan 1)	—	61
1.40% Sparkasse Zollernalb (KFW Loan 2)	335	484
Total loan balance	320,335	312,045
Less unamortized loan origination costs	(6,772)	(5,063)
Net borrowings	313,563	306,982
Less short-term loan balance, net	(268)	(1,451)
Long-term loan balance, net	\$ 313,295	\$ 305,531

## Interest Expense

Interest expense was \$8.3 million and \$16.1 million for the three and six months ended June 30, 2024, respectively, as compared to \$6.4 million and \$12.5 million for the three and six months ended June 30, 2023, respectively. Interest expense includes interest on debt and uncertain tax positions in both periods.

## 10. Commitments and Contingencies

## Liability Claims

In the normal course of business, we are made aware of adverse events involving our products and tissues. Future adverse events could ultimately give rise to a lawsuit against us, and liability claims may be asserted against us in the future based on past events that we are not aware of at the present time. We maintain claims-made insurance policies to mitigate our financial exposure to product and tissue processing liability claims. Claims-made insurance policies generally cover only those asserted claims and incidents that are reported to the insurance carrier while the policy is in effect. The amounts recorded in these Condensed Consolidated Financial Statements as of June 30, 2024 and the Consolidated Financial Statements as of December 31, 2023 represent our estimate of the probable losses and anticipated recoveries for incurred but not reported claims related to products sold and services performed prior to the balance sheet date.

### 11. Revenue Recognition

### Disaggregation of Revenue

Revenues are disaggregated by the following geographic regions:

- North America: consists of the US and Canada. We market our approved medical device products and preservation services (predominantly in the US), primarily to physicians through our direct sales representatives who are managed by regional managers.
- Europe, the Middle East, and Africa ("EMEA"): in certain countries, we market approved medical device products to physicians, hospitals, and distributors through our direct sales force. In countries where we have no direct sales forces, regional sales managers market to distributors who buy medical device products directly from us and sell to hospitals in their respective countries.
- Asia Pacific ("APAC"): we market medical device products that are approved in each country to distributors in the region.
- Latin America ("LATAM"): we market medical device products that are approved in each country to distributors in the region except for Brazil where we sell directly to end customers and distributors.

Net revenues by geographic location based on the location of the customer for the three and six months ended June 30, 2024 and 2023 were as follows (in thousands):

	Three Mor Jun	nths E e 30,	Ended	Six Months Ended June 30,			
	 2024		2023		2024		2023
North America	\$ 48,662	\$	46,268	\$	99,590	\$	89,513
EMEA	34,145		30,143		67,733		58,072
APAC	9,653		8,375		17,262		16,253
LATAM	5,559		4,465		10,865		8,642
Total revenues	\$ 98,019	\$	89,251	\$	195,450	\$	172,480

Also see segment disaggregation information in Note 14 below.

#### **Contract Balances**

We may generate contract assets during the pre-delivery design and manufacturing stage of E-xtra Design Engineering product order fulfillment. We assess the balance related to any arrangements in process and determine if the enforceable right to payment creates a material contract asset requiring disclosure. No material arrangements in process existed as of June 30, 2024 and 2023.

We also incur contract obligations on general customer purchase orders that have been accepted but unfulfilled. Due to the short duration of time between order acceptance and delivery of the related product or service, we have determined that the balance related to these contract obligations is generally immaterial at any point in time. We monitor the value of orders accepted but unfulfilled at the close of each reporting period to determine if disclosure is appropriate. The value of orders accepted but unfulfilled as of June 30, 2024 and 2023 was not material.

## 12. Stock Compensation

## Overview

We have stock option and stock incentive plans for employees and non-employee directors that provide for grants of restricted stock awards ("RSAs"), restricted stock units ("RSUs"), performance stock units ("PSUs"), and options to purchase shares of our common stock at exercise prices generally equal to the fair value of such stock at the dates of grant. We also maintain a shareholder-approved Employee Stock Purchase Plan ("ESPP") for the benefit of our employees. The ESPP allows eligible employees to purchase common stock on a regular basis at the lower of 85% of the market price at the beginning or end of each offering period.

## Equity Grants

During the six months ended June 30, 2024 the Compensation Committee of our Board of Directors (the "Committee") authorized awards from approved stock incentive plans of RSAs to non-employee directors and RSUs and PSUs to certain employees and company officers, which, assuming that performance under the PSUs will be achieved at target levels, together totaled 762,000 shares and had an aggregate grant date fair value of \$15.7 million.

During the six months ended June 30, 2023 the Committee authorized awards from approved stock incentive plans of RSAs to non-employee directors and RSUs and PSUs to certain employees and company officers, which, assuming that performance under the PSUs were to be achieved at target levels, together totaled 585,000 shares and had an aggregate grant date fair value of \$8.0 million.

The Committee did not authorize any grants of stock options during the six months ended June 30, 2024. During the six months ended June 30, 2023 the Committee authorized, from approved stock incentive plans, grants of stock options to purchase a total of 11,000 shares to certain company officers. The exercise prices of the options were equal to the closing stock prices on their respective grant dates.

Employees purchased common stock totaling 51,000 and 56,000 shares in the six months ended June 30, 2024 and 2023, respectively, through the ESPP.

## Stock Compensation Expense

The following weighted-average assumptions were used to determine the fair value of shares purchased under the ESPP:

	Three Months Ended June 30, 2024	Six Months Ended June 30, 2024
	ESPP	ESPP
Expected life	0.5 Years	0.5 Years
Expected stock price volatility	0.48	0.48
Risk-free interest rate	5.26%	5.26%

The following table summarizes total stock compensation expenses prior to the capitalization of amounts into Inventory and Deferred preservation costs (in thousands):

	Three Mor Jun	nths e 30,		Six Months Ended June 30,			
	 2024		2023		2024		2023
RSA, RSU, and PSU expense	\$ 3,873	\$	3,396	\$	6,858	\$	6,038
Stock option and ESPP expense	583		723		1,270		1,595
Total stock compensation expense	\$ 4,456	\$	4,119	\$	8,128	\$	7,633



Included in the total stock compensation expense, as applicable in each period, were expenses related to RSAs, RSUs, PSUs, and stock options issued in each respective year, as well as those issued in prior periods that continue to vest during the period, and compensation related to the ESPP. These amounts were recorded as stock compensation expense and were subject to our normal allocation of expenses to inventory costs and deferred preservation costs. We capitalized \$204,000 and \$398,000 for the three and six months ended June 30, 2024, respectively, as compared to \$182,000 and \$354,000 for the three and six months ended June 30, 2024, respectively, as deferred preservation costs.

## 13. (Loss) Income Per Common Share

The following table sets forth the computation of basic and diluted (loss) income per common share (in thousands, except per share data):

	Three Mo Jun		Six Months Ended June 30,				
Basic (loss) income per common share	 2024		2023		2024		2023
Net (loss) income	\$ (2,121)	\$	(3,382)	\$	5,412	\$	(16,914)
Net loss (income) allocated to participating securities	4		12		(13)		68
Net (loss) income allocated to common shareholders	\$ (2,117)	\$	(3,370)	\$	5,399	\$	(16,846)
Basic weighted-average common shares outstanding	 41,683		40,755		41,487		40,595
Basic (loss) income per common share	\$ (0.05)	\$	(0.08)	\$	0.13	\$	(0.41)

	Three Mo Jun	nths e 30,		Six Months Ended June 30,				
Diluted (loss) income per common share	 2024		2023		2024		2023	
Net (loss) income	\$ (2,121)	\$	(3,382)	\$	5,412	\$	(16,914)	
Net loss (income) allocated to participating securities	4		12		(12)		68	
Net (loss) income allocated to common shareholders	\$ (2,117)	\$	(3,370)	\$	5,400	\$	(16,846)	
Basic weighted-average common shares outstanding	41,683		40,755		41,487		40,595	
Effect of dilutive stock options and awards					918			
Diluted weighted-average common shares outstanding	 41,683		40,755		42,405		40,595	
Diluted (loss) income per common share	\$ (0.05)	\$	(0.08)	\$	0.13	\$	(0.41)	

We excluded stock options from the calculation of diluted weighted-average common shares outstanding if the per share value, including the sum of (i) the exercise price of the options and (ii) the amount of the compensation cost attributed to future services and not yet recognized, was greater than the average market price of the shares because the inclusion of these stock options would be antidilutive to loss per common share. For the three months ended June 30, 2024 all stock options and awards were excluded from the calculation of diluted weighted-average common shares related to stock options and awards were antidilutive and excluded from the calculation of diluted weighted-average common shares related to stock options and awards were antidilutive and excluded from the calculation of diluted weighted-average common shares outstanding. For the three and six months ended June 30, 2023 all stock options and awards were excluded from the calculation of diluted weighted-average common shares outstanding as these would be antidilutive due to the net loss.

## 14. Segment Information

We have two reportable segments organized according to our products and services: Medical Devices and Preservation Services. The Medical Devices segment includes external revenues from product sales of aortic stent grafts, On-X, surgical sealants, and other product revenues. Aortic stent grafts include aortic arch stent grafts, abdominal stent grafts, and synthetic vascular grafts. Aortic arch stent grafts include our E-vita® Open NEO, E-vita Open Plus, AMDS<sup>TM</sup>, NEXUS®, NEXUS DUO<sup>TM</sup>, E-vita Thoracic 3G, and Artivex<sup>TM</sup>. Abdominal stent grafts include our E-xtra Design Engineering, E-nside<sup>TM</sup>, E-tegra<sup>TM</sup>, E-ventus<sup>TM</sup> BX, and E-liac<sup>TM</sup> products. Surgical sealants include BioGlue® Surgical Adhesive products. The Preservation Services segment includes external services revenues from the preservation of cardiac and vascular tissues. There are no intersegment revenues.

The primary measure of segment performance, as viewed by our management, is segment gross margin or net external revenues less cost of products and preservation services. We do not segregate assets by segment; therefore, asset information is excluded from the segment disclosures below.

The following table summarizes revenues, cost of products and preservation services, and gross margins for our operating segments (in thousands):

	Three Months Ended June 30,					Six Months Ended June 30,			
		2024		2023		2024		2023	
Revenues:									
Medical devices	\$	73,210	\$	66,003	\$	144,324	\$	128,294	
Preservation services		24,809		23,248		51,126		44,186	
Total revenues		98,019		89,251		195,450		172,480	
Cost of products and preservation services:									
Medical devices		24,545		20,977		48,295		40,510	
Preservation services		10,150		10,190		20,885		20,159	
Total cost of products and preservation services		34,695		31,167		69,180		60,669	
Gross margin:									
Medical devices		48,665		45,026		96,029		87,784	
Preservation services		14,659		13,058		30,241		24,027	
Total gross margin	\$	63,324	\$	58,084	\$	126,270	\$	111,811	

The following table summarizes net revenues by product and service (in thousands):

	Three Mor June			nded			
	 2024		2023		2024		2023
Products:							
Aortic stent grafts	\$ 32,190	\$	28,359	\$	64,293	\$	54,509
On-X	20,645		17,946		40,326		35,602
Surgical sealants	18,545		16,566		35,526		33,269
Other	1,830		3,132		4,179		4,914
Total products	73,210		66,003		144,324		128,294
Preservation services	24,809		23,248		51,126		44,186
Total revenues	\$ 98,019	\$	89,251	\$	195,450	\$	172,480



## 15. Subsequent Events

## Endospan Option and Loan Amendments

On July 1, 2024 Artivion and Endospan entered into the Endospan Option Amendment and the Endospan Loan Amendment.

Under the terms of the Endospan Option Amendment, the price to acquire all of Endospan's outstanding securities from Endospan's securityholders at the time of acquisition, or the option to acquire all of Endospan's assets under the Endospan Option was reduced from \$250.0 million to \$175.0 million, resulting in an upfront acquisition purchase price of \$135.0 million, inclusive of the loan off-set. There is no longer a minimum earnout payment of \$100.0 million and the maximum earnout payment of \$200.0 million remains the same.

As a part of the Endospan Loan Amendment, Artivion agreed to provide Endospan additional secured loans of up to \$25.0 million. The additional loans are contracted to be funded in three tranches of \$7.0 million, \$10.0 million, and \$8.0 million, subject to Endospan's achievement of milestones related to its pursuit of regulatory approval for the NEXUS products that are specified in the Endospan Loan Amendment. The first tranche of \$7.0 million was funded following execution of the agreement in July 2024.

## **Forward-Looking Statements**

This Form 10-Q includes "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934 (the "Exchange Act"). Forward-looking statements give our expectations or forecasts of future events as of the date of this Form 10-Q. In some cases, words such as "could," "may," "might," "will," "would," "shall," "should," "pro forma," "potential," "pending," "intend," "believe," "expect," "anticipate," "estimate," "plan," "future," "assume," and variations of these types of words or other similar expressions identify forward-looking statements. These forward-looking statements are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Readers are cautioned not to place undue reliance on these forward-looking statements, which are made as of the date of this Form 10-Q.

All statements included herein, other than statements of historical facts, that address activities, events, or developments that we expect or anticipate will or may occur in the future, or that reflect our beliefs about the future and/or expectations, are forward-looking statements, including statements about the following:

- Our belief that new products, new indications, global expansion, and business development are the four growth areas that will drive our business in the future;
- The potential impact the wars in Ukraine and in the Gaza Strip and around Israel, may have on demand for and sales of our products and services, business operations, manufacturing operations, supply chain, cash flow, workforce, clinical and regulatory timelines, and our research and development projects;
- The potential impact general global, regional, or national economic downturns and macroeconomic trends, including heightened inflation, interest rate and currency fluctuations, as well as general or localized economic slowdowns or recessions may have on demand for and sales of our products and services, including ordering trends for international distributors based on currency fluctuations against the US dollar, and our business operations, manufacturing operations, supply chain, and workforce;
- Our beliefs about the robustness of our global supply chain in light of current global and macroeconomic conditions and about the potential impact of supply chain disruptions, particularly disruptions to single and sole source suppliers and third-party manufacturing partners;
- Our beliefs about our R&D and product pipeline, including our beliefs about the timing of our clinical trials and product launches;
- Our beliefs and anticipation regarding the favorable attributes, benefits, and clinical advantages of our products and services, the basis on which our products and services compete, the benefits of our physician education activities, and the advantages of our relationships with organ and tissue procurement organizations and tissue banks;
- Our beliefs about the future regulatory status of our medical devices and processed tissues, our compliance with applicable laws and regulations, and our ability to make timely transitions to our Notified Bodies and obtain renewals for our Conformité Européenne Mark product certification impacted by Brexit and the transition to the Medical Device Regulation in Europe, and the impact these transitions, renewals, and related processes may have on our business, including any impact on our customers' ordering patterns and our ability to supply products;
- Our beliefs regarding our global expansion efforts, including the international growth opportunity that would be provided by obtaining regulatory approval for BioGlue in China;
- Our beliefs regarding the impact lower INR anticoagulation therapy and transcatheter heart valve replacement may have on the number of patients choosing On-X mechanical heart valves;
- Our beliefs about the advantages of our intellectual property and its significance to our segments and our business as a whole, and our beliefs about the present value and potential impairment of our intangible assets and leases;
- Our beliefs about our workforce, including our ability to attract and retain talent at all levels, and about our relationship with our workforce, including our works council in Germany and union in Brazil;
- Our beliefs about potential information security vulnerabilities, and the associated potential adverse effects on our business;
- The dependencies affecting our ability to realize the anticipated business opportunities, growth prospects, synergies, and other benefits of the agreements with Endospan and Baxter and our acquisition of Ascyrus, and our beliefs about the costs and timelines for certain regulatory approvals and clinical trial milestones;
- Our beliefs regarding the fair value of our acquisitions, divestitures, and other business development activities and the estimates and assumptions about the future achievements of milestones and future revenues and cash flows related to those business development activities, including our ability to achieve the milestones in the Ascyrus and Baxter transactions;

- Our belief that revenues for preservation services, particularly revenues for certain high-demand cardiac tissues, can vary from quarter-to-quarter and year-to-year due to a variety of factors including: quantity and type of incoming tissues, yields of tissue through the preservation process, timing of receipt of donor information, staffing levels, timing of the release of tissues to an implantable status, demand for certain tissue types due to the number and type of procedures being performed, and pressures from competing products or services;
- Our beliefs regarding the seasonal nature of the demand for some of our products and services and the reasons for such seasonality, if any, and regarding the impact of consignment inventory on product sales, if any;
- Our belief that our cash from operations and existing cash and cash equivalents will enable us to meet our current operational liquidity needs for at least the next twelve months, our expectations regarding future cash requirements, and the impact that our cash requirements might have on our cash flows for the next twelve months;
- Our expectation regarding the impact on cash flows of undertaking significant business development activities and the potential need to obtain additional debt financing or equity financing;
- Our belief that we will incur expenses for research and development projects, including for clinical research projects to gain regulatory approvals for products or indications, including On-X, aortic stent grafts, and BioGlue products, and for new products and technologies which will likely require additional investment, research, and new clinical studies or data;
- Our beliefs about pending and potential legal or other governmental or regulatory proceedings;
- Our expectations regarding the timing and impact of clinical research work and regulatory approvals for certain products or indications, including On-X, aortic stent grafts, and BioGlue products, and the CryoValve SG pulmonary heart valve if the US Food and Drug Administration reclassifies allograft heart valves as Class III medical devices;
- Our beliefs and expectations regarding the utilization of net operating loss carryforwards from our acquisitions of JOTEC, On-X Life Technologies, Inc., Hemosphere, Inc., and Cardiogenesis Corporation;
- Our beliefs about our operating results which may fluctuate significantly on a periodic basis as a result of internal and external factors, including
  reduced demand for our products, the potential impact of GLP-1 drugs, healthcare workforce trends and labor disputes, regulatory challenges, the
  availability of products, materials, and supplies, strategic actions we take such as acquisitions or divestitures, unanticipated costs and expenses,
  market reception of our new or improved product offerings, and interest rate and currency fluctuations; and
- Other statements regarding projections of future financial and business performance; anticipated growth and trends in our business and the markets relevant to our business, including how our growth relates to our competitors; the robustness and reliability of our workforce and supply chain; future production capacity and product supply; the availability and benefits of our products in the future; and the expected timing and impact of our strategic initiatives.

These and other forward-looking statements reflect the views of management at the time and such statements are originally made based on certain assumptions and analyses made by us in light of our experience and our perception of historical trends, current conditions, and expected future developments as well as other factors we believe are appropriate in the circumstances and are subject to a number of risks, uncertainties, estimates, and assumptions. Whether actual results and developments will conform with our expectations and predictions is subject to a number of risks and uncertainties which could cause actual results to differ materially and adversely from our expectations, including, without limitation, in addition to those specified in the text surrounding such statements, the risks described in Part II, Item 1A, "Risk Factors" in this Form 10-Q and elsewhere throughout this report, the risks described in our other filings with the Securities and Exchange Commission including the risks described in Part I, Item 1A, "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2023 and elsewhere throughout that report, and other risks which we may not be able to identify in advance, many of which are beyond our control. Consequently, all of the forward-looking statements made in this Form 10-Q are qualified by these cautionary statements, and there can be no assurance that the actual results or developments anticipated by us will be realized or, even if substantially realized, that they will have the expected consequences to, or effects on, us or our business or operations. We assume no obligation, and expressly disclaim any duty, to update publicly any such forward-looking statements, whether as a result of new information, future events, or otherwise.

## Part I – FINANCIAL INFORMATION

## Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.

## Overview

Artivion, Inc. ("Artivion," the "Company," "we," or "us"), is a leader in the manufacturing, processing, and distribution of medical devices and implantable human tissues used in cardiac and vascular surgical procedures for patients with aortic disease. We have four major product families: aortic stent grafts, On-X<sup>®</sup> mechanical heart valves and related surgical products ("On-X" products), surgical sealants, and implantable cardiac and vascular human tissues. Aortic stent grafts include aortic arch stent grafts, abdominal stent grafts, and synthetic vascular grafts. Aortic arch stent grafts include our E-vita<sup>®</sup> Open NEO, E-vita Open Plus, the Ascyrus Medical Dissection Stent ("AMDS") hybrid prosthesis, the NEXUS<sup>®</sup> endovascular stent graft system ("NEXUS"), the NEXUS DUO<sup>TM</sup> aortic arch stent graft ("NEXUS DUO"), and E-vita Thoracic 3G products. Abdominal stent grafts include our E-xtra Design Engineering (including Artivex<sup>TM</sup>), E-nside<sup>TM</sup>, E-tegra<sup>TM</sup>, E-ventus<sup>TM</sup> BX, and E-liac<sup>TM</sup> products. Surgical sealants include our BioGlue<sup>®</sup> Surgical Adhesive products ("BioGlue"). In addition to these four major product families, we also sell or distribute PhotoFix<sup>®</sup> bovine surgical patches ("PhotoFix"). We began to manufacture and supply PerClot<sup>®</sup> hemostatic powder ("PerClot") during the second quarter of 2023 (as part of the Transitional Manufacturing and Supply Agreement ("TMSA") of the Baxter Transaction, described below).

We reported quarterly revenues of \$98.0 million for the three months ended June 30, 2024, a 10% increase from the three months ended June 30, 2023. The increase in revenues for the three months ended June 30, 2024 was due to an increase in revenues from aortic stent grafts, On-X products, surgical sealants, and preservation services, partially offset by a decrease in revenues from other products. Constant currency revenues, as defined below, increased 10% for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023.

See the "Results of Operations" section below for additional analysis of the three and six months ended June 30, 2024.

## Presentation

In addition to the corresponding measures under generally accepted accounting principles ("US GAAP"), management uses non-GAAP measures in reviewing and disclosing our financial results. The foreign exchange neutral revenues ("constant currency revenues") discussed below are non-GAAP financial measures and are not in accordance with, or an alternative to, measures prepared in accordance with US GAAP. Accordingly, the constant currency information appearing in the following discussion of our results of operations should be read in conjunction with the information provided in "Non-GAAP Measures of Financial Performance" below, which includes a reconciliation of constant currency financial measures to the most directly comparable US GAAP measure.

## New Accounting Pronouncements

See Note 1 of "Notes to Condensed Consolidated Financial Statements" identified in Part I, Item I of this Form 10-Q for further discussion of new accounting standards that have been adopted.



## **Results of Operations**

(Tables in thousands, except percentages)

## Revenues

		 venues for the e Months Ended June 30,	Revenues as a F Total Revenu Three Mont June	es for the 1s Ended	
	 2024	2023	Percent Change	2024	2023
Products:					
Aortic stent grafts	\$ 32,190	\$ 28,359	14%	33%	32%
On-X	20,645	17,946	15%	21%	20%
Surgical sealants	18,545	16,566	12%	19%	19%
Other	1,830	3,132	-42%	2%	3%
Total products	 73,210	 66,003	11%	75%	74%
Preservation services	24,809	23,248	7%	25%	26%
Total	\$ 98,019	\$ 89,251	10%	100%	100%

		 venues for the Months Ended June 30,	Revenues as a Percentage of Total Revenues for the Six Months Ended June 30,				
	 2024	2023	Percent Change	2024	2023		
Products:							
Aortic stent grafts	\$ 64,293	\$ 54,509	18%	33%	31%		
On-X	40,326	35,602	13%	21%	21%		
Surgical sealants	35,526	33,269	7%	18%	19%		
Other	4,179	4,914	-15%	2%	3%		
Total products	144,324	128,294	12%	74%	74%		
Preservation services	51,126	44,186	16%	26%	26%		
Total	\$ 195,450	\$ 172,480	13%	100%	100%		

Revenues increased 10% and 13% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. The increase in revenues for the three months ended June 30, 2024 was due to an increase in revenues from aortic stent grafts, On-X products, surgical sealants, and preservation services, partially offset by a decrease in revenues from other products. The increase in revenues for the six months ended June 30, 2024 was due to an increase in revenues for the six months ended June 30, 2024 was due to an increase in revenues for the six months ended June 30, 2024 was due to an increase in revenues for the six months ended June 30, 2024 was due to an increase in revenues from aortic stent grafts, preservation services, On-X products, and surgical sealants, partially offset by a decrease in revenues from other products.

The following table reconciles revenues to constant currency revenues for the periods presented:

	Revenues for the Three Months Ended June 30,										
	 2024				From Prior Year						
	 US GAAP		US GAAP		Exchange Rate Effect		Constant Currency	Constant Currency			
Products:											
Aortic stent grafts	\$ 32,190	\$	28,359	\$	148	\$	28,507	13%			
On-X	20,645		17,946		(3)		17,943	15%			
Surgical sealants	18,545		16,566				16,566	12%			
Other	1,830		3,132		(2)		3,130	-42%			
Total products	 73,210		66,003		143		66,146	11%			
Preservation services	24,809		23,248		(6)		23,242	7%			
Total	\$ 98,019	\$	89,251	\$	137	\$	89,388	10%			
North America	48,662		46,268		(11)		46,257	5%			
Europe, the Middle East, and Africa	34,145		30,143		177		30,320	13%			
Asia Pacific	9,653		8,375		(1)		8,374	15%			
Latin America	5,559		4,465		(28)		4,437	25%			
Total	\$ 98,019	\$	89,251	\$	137	\$	89,388	10%			

		Percent Change From Prior							
		2024			Year				
		US GAAP		US GAAP		Exchange Rate Effect		Constant Currency	Constant Currency
Products:									
Aortic stent grafts	\$	64,293	\$	54,509	\$	896	\$	55,405	16%
On-X		40,326		35,602		101		35,703	13%
Surgical sealants		35,526		33,269		118		33,387	6%
Other		4,179		4,914		3		4,917	-15%
Total products		144,324		128,294		1,118		129,412	12%
Preservation services		51,126		44,186		(4)		44,182	16%
Total	\$	195,450	\$	172,480	\$	1,114	\$	173,594	13%
North America		99,590		89,513		(7)		89,506	11%
Europe, the Middle East, and Africa		67,733		58,072		982		59,054	15%
Asia Pacific		17,262		16,253		(1)		16,252	6%
Latin America		10,865		8,642		140		8,782	24%
Total	\$	195,450	\$	172,480	\$	1,114	\$	173,594	13%

Constant currency revenues increased 10% and 13% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. See "Non-GAAP Measures of Financial Performance" below for further background on our non-GAAP measures.

A detailed discussion of the changes in product revenues and preservation services revenues for the three and six months ended June 30, 2024 is presented below.

## **Products**

Revenues from products increased 11% and 12% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. The increase for the three and six months ended June 30, 2024 was due to an increase in revenues from aortic stent grafts, On-X products, and surgical sealants, partially offset by a decrease in revenues from other products. A discussion of the changes in product revenues for aortic stent grafts, On-X products, surgical sealants, and other product revenues is presented below.

Sales of certain products through our direct sales force and distributors across Europe and various other countries are denominated in a variety of currencies including Euros, Brazilian Reals, Polish Zlotys, British Pounds, Canadian Dollars, and Swiss Francs with a concentration denominated in Euros. Each currency is subject to exchange rate fluctuations. For the three and six months ended June 30, 2024, as compared to the three and six months ended June 30, 2023, the US Dollar weakened in comparison to major currencies, resulting in revenue increases when these foreign currency denominated transactions were translated into US Dollars. Future changes in these exchange rates could have a material, adverse effect on our revenues denominated in these currencies. Additionally, our sales to many distributors around the world are denominated in US Dollars, and although these sales are not directly impacted by currency exchange rates, we believe that some of our distributors may delay or reduce purchases of products in US Dollars depending on the relative price of these goods in their local currencies.

#### Aortic Stent Grafts

Aortic stent grafts include aortic arch stent grafts, abdominal stent grafts, synthetic vascular grafts, and original equipment manufacturing ("OEM") aortic stent graft products. Aortic arch stent grafts include E-vita Open NEO, E-vita Open Plus, AMDS, the NEXUS Products, E-vita Thoracic 3G, and Artivex products. Abdominal stent grafts include E-xtra Design Engineering, E-nside, E-tegra, E-ventus BX, and E-liac products. Aortic stent grafts are used in endovascular and open vascular surgery for the treatment of complex aortic arch, thoracic, and abdominal aortic diseases. Our aortic stent grafts are primarily distributed in international markets.

Revenues from the sales of aortic stent grafts increased 14% for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. This increase was primarily due to an increase in the volume of units sold and, to a lesser extent, an increase in average sales prices.

Revenues from the sales of aortic stent grafts increased 18% for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. This increase was primarily due to an increase in the volume of units sold and, to a lesser extent, the effect of foreign exchange rates and an increase in average sales prices.

Constant currency revenues from the sales of aortic stent grafts increased 13% and 16% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. Revenues for the three and six months ended June 30, 2024 increased primarily in Europe, the Middle East, and Africa (collectively, "EMEA") and, to a lesser extent, in Latin America and Asia Pacific ("APAC"). The revenue increase in EMEA for the three and six months ended June 30, 2024 was primarily due to an increase in buying patterns in direct (to hospitals) markets.

### **On-X** Products

On-X products include the On-X aortic and mitral heart valves and the On-X ascending aortic prosthesis ("AAP") for heart valve replacement. Revenues from the sales of On-X products include revenues from the distribution of CarbonAid<sup>®</sup> CO<sub>2</sub> diffusion catheters and from the sale of Chord-X<sup>®</sup> ePTFE sutures for mitral chordal replacement. On-X products revenue also includes revenue generated from pyrolytic carbon coating services for OEM customers.

Revenues from the sales of On-X products increased 15% for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. This increase was primarily due to an increase in the volume of units sold and, to a lesser extent, an increase in average sales prices.

Revenues from the sales of On-X products increased 13% for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. This increase was primarily due to an increase in the volume of units sold and, to a lesser extent, an increase in average sales prices.

Constant currency revenues from the sales of On-X products increased 15% and 13% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. Revenues for the three and six months ended June 30, 2024 increased in all geographies, with the most significant increase in North America. The increase in revenues in North America for the three and six months ended June 30, 2024 was impacted by customer buying patterns.

Domestic revenues from the sales of On-X products accounted for 59% and 61% of total On-X revenues for the three and six months ended June 30, 2024, respectively, as compared to 58% and 59% of total On-X revenues for the three and six months ended June 30, 2023, respectively.

### Surgical Sealants

Surgical sealants include BioGlue products used as an adjunct to standard methods of achieving hemostasis (such as sutures and staples) in adult patients in open surgical repair of large vessels (such as aorta, femoral, and carotid arteries).

Revenues from the sales of surgical sealants increased 12% for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. This increase was primarily due to an increase in the volume of milliliters sold and, to a lesser extent, an increase in average sales prices.

Revenues from the sales of surgical sealants increased 7% for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. This increase was primarily due to an increase in average sales prices and an increase in the volume of milliliters sold.

Constant currency revenues from the sales of surgical sealants increased 12% and 6% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. The increase in revenues for the three months ended June 30, 2024 was due to revenue increases in all geographies, with the most significant increase in North America. The increase in revenues for the six months ended June 30, 2024 was primarily due to revenue increases in EMEA and North America, partially offset by revenue decrease in APAC. The increase in revenues in EMEA for the three and six months ended June 30, 2024 was primarily due to an increase in buying patterns in direct markets. The increase in North America was due to customer buying patterns. The decrease in revenues in APAC for the six months ended June 30, 2024 was impacted by customer buying patterns in certain markets.

Domestic revenues from the sales of surgical sealants accounted for 47% and 49% of total surgical sealant revenues for the three and six months ended June 30, 2024, respectively, as compared to 48% and 50% of total surgical sealant revenues for the three and six months ended June 30, 2023, respectively.

## Other

Other revenues are comprised of revenues from PhotoFix and PerClot (as part of the TMSA of the Baxter Transaction described below).



Other revenues decreased 42% and 15% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. The decrease in other revenues for the three and six months ended June 30, 2024 was due to a decrease in PerClot product revenues as a result of timing of shipments.

On July 28, 2021 we entered into an asset purchase agreement, TMSA, and other ancillary agreements related to the sale of PerClot, a polysaccharide hemostatic agent used in surgery, to a subsidiary of Baxter International, Inc. ("Baxter"), and an agreement to terminate all of our material agreements with Starch Medical, Inc. ("SMI") related to PerClot (collectively the "Baxter Transaction"). On May 23, 2023 the US Food and Drug Administration granted Premarket Approval ("PMA") of PerClot for use to control bleeding in certain open and laparoscopic surgical procedures. Pursuant to the terms of the TMSA of the Baxter Transaction, we transferred the ownership of the PMA to Baxter following approval and began manufacturing and supplying PerClot for Baxter for a period of 21 months, subject to short-term renewal provisions.

#### **Preservation Services**

Preservation services include external service revenues from processing cardiac and vascular tissues. Our cardiac valves are primarily used in cardiac replacement and reconstruction surgeries, including the Ross procedure, for patients with endocarditis or congenital heart defects. The majority of our vascular preservation services revenues are related to shipments of saphenous veins, which are mainly used in peripheral vascular reconstruction surgeries to avoid limb amputations. Competition with synthetic product alternatives and the availability of tissues for processing are key factors affecting revenue volume that can fluctuate from quarter to quarter. Our cardiac and vascular tissues are primarily distributed in domestic markets.

We continue to evaluate modifications to our tissue processing procedures in an effort to improve tissue processing throughput, reduce costs, and maintain quality across our tissue processing business. Preservation services revenues, particularly revenues for certain high-demand cardiac tissues, can vary from quarter-to-quarter and year-to-year due to a variety of factors, including quantity and type of incoming tissues, yields of tissue through the preservation process, timing of receipt of donor information, timing of the release of tissues for implant, demand for certain tissue types due to the number and type of procedures being performed, and pressures from competing products or services.

Revenues from tissue processing increased 7% for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. This increase was primarily due to an increase in average sales prices, partially offset by a decrease in certain tissues shipped.

Revenues from tissue processing increased 16% for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. This increase was primarily due to an increase in average sales prices, and, to a lesser extent, a change in the mix of tissues shipped.

#### **Cost of Products and Preservation Services**

#### Cost of Products

	Three Months Ended June 30,			Six Months Ended June 30,				
	2024 2023				2024		2023	
Cost of products	\$	24,545	\$	20,977	\$	48,295	\$	40,510

Cost of products increased 17% and 19% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. Cost of products for the three and six months ended June 30, 2024 and 2023 included costs related to aortic stent grafts, On-X products, surgical sealants, and other products.

The increase in the cost of products for the three months ended June 30, 2024 was primarily due to an increase in the cost of certain aortic stent grafts shipped, and the volume of all products shipped except for other products, as compared to the three months ended June 30, 2023.

The increase in the cost of products for the six months ended June 30, 2024 was primarily due to an increase in the cost of certain aortic stent grafts shipped, and the volume of primarily On-X and aortic stent grafts shipped, as compared to the six months ended June 30, 2023.

## Cost of Preservation Services

	Three Months Ended June 30,					Cnded		
		2024 2023				2024		2023
Cost of preservation services	\$	10,150	\$	10,190	\$	20,885	\$	20,159

Cost of preservation services was flat for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. Cost of preservation services increased 4% for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. Cost of preservation services included costs for cardiac and vascular tissue preservation services.

Cost of preservation services for the three months ended June 30, 2024 was impacted by an increase in the cost of certain tissues shipped, partially offset by a decrease in the volume of tissues shipped, as compared to the three months ended June 30, 2023.

The increase in the cost of preservation services for the six months ended June 30, 2024 was primarily due to an increase in the cost of certain tissues shipped, partially offset by the mix of tissues shipped, as compared to the six months ended June 30, 2023.

## **Gross Margin**

	Three Months Ended June 30,			Six Months Ended June 30,				
	 2024		2023		2024		2023	
Gross margin	\$ 63,324	\$	58,084	\$	126,270	\$	111,811	
Gross margin as a percentage of total revenues	65%		65%		65%		65%	

Gross margin increased 9% and 13% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023.

The increase in gross margin for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023, was due to an increase in the volume and favorable pricing of certain aortic stent grafts, surgical sealants, and On-X products shipped as well as favorable pricing of certain tissues shipped during the three months ended June 30, 2024. This increase was partially offset by an increase in the cost of certain aortic stent grafts and tissues shipped during the three months ended June 30, 2024.

The increase in gross margin for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023, was due to an increase in the volume and favorable pricing of certain aortic stent grafts, On-X products, and certain tissues shipped as well as favorable pricing of surgical sealants shipped during the six months ended June 30, 2024. This increase was partially offset by an increase in the cost of certain aortic stent grafts and tissues shipped during the six months ended June 30, 2024.

Gross margin as a percentage of total revenues was flat for the three and six months ended June 30, 2024, as compared to the three and six months ended June 30, 2023. Gross margin as a percentage of total revenues was positively impacted by favorable prices of certain tissues and certain aortic stent grafts shipped, offset by an increase in the cost of aortic stent grafts and certain tissues shipped during the three and six months ended June 30, 2024.

## **Operating Expenses**

## General, Administrative, and Marketing Expenses

	Three Months Ended June 30,				nded			
		2024		2023		2024		2023
General, administrative, and marketing expenses	\$	49,320	\$	57,241	\$	80,009	\$	107,606
General, administrative, and marketing expenses as a percentage of total revenues		50%		64%		41%		62%

General, administrative, and marketing expenses decreased 14% and 26% for the three and six months ended June 30, 2024, respectively, as compared to the three and six months ended June 30, 2023. The decrease in General, administrative, and marketing expenses for the three and six months ended June 30, 2024 was primarily due to a decrease in business development expense, partially offset by an increase in personnel-related costs.

General, administrative, and marketing expenses included \$2.0 million of business development expense and \$15.4 million of business development income for the three and six months ended June 30, 2024, respectively, as compared to \$11.1 million and \$16.1 million of business development expense for the three and six months ended June 30, 2023, respectively. We incurred \$1.8 million of business development expense and \$15.7 million of business development income during the three and six months ended June 30, 2024, respectively, related to the fair value adjustments for the Ascyrus contingent consideration, as compared to \$10.9 million and \$15.7 million of business development expense during the three and six months ended June 30, 2024, respectively. The reduction in the fair value for the six months ended June 30, 2024 was primarily due to an increase in the credit risk spread resulting from the change in the inputs related to the newly issued Credit Facilities further discussed in Part I, Item 1, Note 9 of the "Notes to Condensed Consolidated Financial Statements."

## **Research and Development Expenses**

		Three Months Ended June 30,			Six Months Ended June 30,				
		2024		2023		2024		2023	
Research and development expenses	\$	7,497	\$	7,418	\$	14,443	\$	14,641	
Research and development expenses as a percentage of total revenue	s	8%		8%		7%		8%	

Research and development expenses increased 1% for the three months ended June 30, 2024, as compared to the three months ended June 30, 2023. Research and development expenses decreased 1% for the six months ended June 30, 2024, as compared to the six months ended June 30, 2023. Research and development spending for the three and six months ended June 30, 2024 was primarily focused on clinical work to gain regulatory approvals for certain aortic stent grafts and other products.

### Gain from Sale of Non-Financial Assets

Gain from sale of non-financial assets for the three and six months ended June 30, 2023 consisted of the net \$14.3 million received as part of the Baxter Transaction upon receipt of the PerClot PMA in May 2023.

## **Interest Expense**

Interest expense was \$8.3 million and \$16.1 million for the three and six months ended June 30, 2024, respectively, as compared to \$6.4 million and \$12.5 million for the three and six months ended June 30, 2023, respectively. Interest expense for the three and six months ended June 30, 2024 and 2023 primarily relates to interest on debt. The increase in interest expense for the three and six months ended June 30, 2024, as compared to the three and six months ended June 30, 2024, as compared to the three and six months ended June 30, 2023, was primarily due to an increase in the interest rate on the Credit Facilities as a result of our debt refinancing in January 2024.

### Loss on Extinguishment of Debt

During the six months ended June 30, 2024 we recorded a loss on extinguishment of debt of \$3.7 million in connection with the extinguishment of our previously existing term loan. See Part I, Item 1, Note 9 of the "Notes to Condensed Consolidated Financial Statements" for further discussion of our new credit and guaranty agreement.

## Other Expense, Net

Other expense, net was \$1.0 million and \$2.4 million for the three and six months ended June 30, 2024, respectively, as compared to \$4.2 million and \$3.3 million for the three and six months ended June 30, 2023, respectively. Other expense, net for the three and six months ended June 30, 2024 primarily included the realized and unrealized effects of foreign currency gains and losses. Other expense, net for the three and six months ended June 30, 2023 primarily included a \$5.0 million expense related to a payment to Endospan for achievement of certain milestones related to the NEXUS products.

### Earnings

### (Table in thousands, except per share data)

	Three Months Ended June 30,						ths E1 e 30,	hs Ended e 30,	
		2024		2023		2024		2023	
(Loss) income before income taxes	\$	(2,427)	\$	(2,657)	\$	10,354	\$	(11,576)	
Income tax (benefit) expense		(306)		725		4,942		5,338	
Net (loss) income	\$	(2,121)	\$	(3,382)	\$	5,412	\$	(16,914)	
Diluted (loss) income per common share	\$	(0.05)	\$	(0.08)	\$	0.13	\$	(0.41)	
Diluted weighted-average common shares outstanding		41,683		40,755	_	42,405		40,595	

We incurred a loss before income taxes for the three months ended June 30, 2024 and 2023. We incurred income before income taxes for the six months ended June 30, 2024, as compared to a loss before income taxes for the six months ended June 30, 2023. The loss before income taxes for the three months ended June 30, 2024 was impacted by an increase in certain operating expenses to support revenue expansion, an increase in interest expense, and the change in fair value of our financial instruments. The income before income taxes for the six months ended June 30, 2024 was positively impacted by the change in fair value of our financial instruments, partially offset by an increase in certain operating expenses to support revenue expansion, debt extinguishment costs, and an increase in interest expense. The loss before income taxes for the three and six months ended June 30, 2023 was impacted by the change in fair value of our financial instruments, an increase in certain operating expenses to support revenue expansion, and an increase in interest expense.

Our effective income tax rate was a benefit of 13% and an expense of 48% for the three and six months ended June 30, 2024, respectively, as compared to an expense of 27% and 46% for the three and six months ended June 30, 2023, respectively. The change in the tax rate for the three and six months ended June 30, 2024 was primarily due to changes in pre-tax book profit, valuation allowance against our net deferred tax assets, non-deductible executive compensation, the foreign derived intangible income deduction, the research and development tax credit, changes in our uncertain tax position liabilities, and tax-effected impact of stock based compensation, as compared to the three and six months ended June 30, 2023.

We incurred a net loss and a diluted loss per common share for the three months ended June 30, 2024 and 2023. We incurred a net income and a diluted income per common share for the six months ended June 30, 2024, as compared to a net loss and a diluted loss per common share for the six months ended June 30, 2023. Net loss and diluted loss per common share for the three months ended June 30, 2024 was primarily due to loss before income taxes, as discussed above. Net income and diluted income per common share for the six months ended June 30, 2024 was primarily due to income before income taxes, as discussed above.

## **Non-GAAP Measures of Financial Performance**

To supplement our Condensed Consolidated Financial Statements presented in accordance with US GAAP, we use constant currency revenues, which is a non-GAAP financial measure. We define constant currency revenues as revenues adjusted for the exchange rate effect. We define exchange rate effect as the year-over-year impact of foreign currency movements using current period foreign currency rates applied to prior period transactional currency amounts.

We have provided non-GAAP financial measures in this report as we believe that these figures are helpful in allowing management and investors to more accurately assess the ongoing nature of our operations and measure our performance more consistently across periods. Management uses constant currency revenues internally to assess the operational performance of the Company, as a component in compensation metrics, and as a basis for strategic planning.

We believe the provided non-GAAP measures are meaningful in addition to the information contained in the US GAAP presentation of financial performance. Investors should consider this non-GAAP information in addition to, and not as a substitute for, financial measures prepared in accordance with US GAAP. In addition, this non-GAAP financial information may not be the same as similar measures presented by other companies.

## Seasonality

Historically, we believe the demand for most of our aortic stent grafts is seasonal, with a decline in demand generally occurring in the third quarter due to the summer holiday season in Europe.

Historically, we believe the demand for surgical sealants is seasonal, with a decline in demand generally occurring in the third quarter followed by stronger demand in the fourth quarter. We believe that this trend may be due to the summer holiday season in Europe and the US.

We do not believe the demand for our On-X and other products is seasonal.

Demand for our cardiac preservation services has traditionally been seasonal, with peak demand generally occurring in the third quarter. We believe this trend for cardiac preservation services is primarily due to the high number of surgeries scheduled during the summer months for school-aged patients. Based on experience in recent years, we believe that this trend is lessening as we are distributing a higher percentage of our tissues for use in adult populations.

Demand for our vascular preservation services has also traditionally been seasonal, with lowest demand generally occurring in the fourth quarter. We believe this trend for vascular preservation services is primarily due to fewer vascular surgeries being scheduled during the winter holiday months.

## Liquidity and Capital Resources

## Net Working Capital

As of June 30, 2024 net working capital (current assets of \$285.0 million less current liabilities of \$50.6 million) was \$234.4 million, with a current ratio (current assets divided by current liabilities) of 6 to 1, as compared to net working capital of \$222.8 million and a current ratio of 5 to 1 at December 31, 2023.

## **Overall Liquidity and Capital Resources**

Our primary cash requirements for the six months ended June 30, 2024 were for the payoff of our previously existing credit agreement, debt issuance costs and interest payments under our Credit Facilities (defined below), interest payments under our Convertible Senior Notes (defined below), general working capital needs, and capital expenditures for facilities and equipment.



We believe our cash from operations and existing cash and cash equivalents will enable us to meet our current operational liquidity needs for at least the next twelve months. Our future cash requirements are expected to include interest payments under our Initial Term Loan Facility, Revolving Credit Facility, and Convertible Senior Notes (as those are described in "Significant Sources and Uses of Liquidity" section below), expenditures for clinical trials, research and development expenditures, general working capital needs, capital expenditures, and other corporate purposes, and may include cash to fund business development activities including obligations in the agreements related to the acquisition of Ascyrus. These items may have a significant effect on our future cash flows during the next twelve months. Subject to the terms of our Initial Term Loan Agreement, we may seek additional borrowing capacity or financing, pursuant to our current or any future shelf registration statement, for general corporate purposes, or to fund other future cash requirements. If we undertake any further significant business development activity, we may need to finance such activities by obtaining additional debt financing or using a registration statement to sell equity securities. There can be no assurance that we will be able to obtain any additional debt or equity financing at the time needed or that such financing will be available on terms that are favorable or acceptable to us.

### Significant Sources and Uses of Liquidity

#### Credit Facilities

On January 18, 2024 we entered into a credit and guaranty agreement with Ares Management Credit funds (the "Ares Credit Agreement") for \$350.0 million of senior secured, interest-only, credit facilities, consisting of a \$190.0 million secured term loan facility (the "Initial Term Loan Facility"), a \$100.0 million secured delayed draw term loan facility (the "Delayed Draw Term Loan Facility" and, together with the Initial Term Loan Facility, the "Term Loan Facilities") and a \$60.0 million "senior-priority" secured revolving credit facilities with a priority claim ahead of the other secured facilities (the "Revolving Credit Facility" and, together with the Term Loan Facilities, the "Credit Facilities"). Upon closing, we borrowed \$190.0 million under the Initial Term Loan Facility.

We paid \$6.5 million of debt issuance costs related to the Initial Term Loan Facility which are included in Long-term debt on the Condensed Consolidated Balance Sheets as of June 30, 2024 and amortized, thereafter, over the life of the Initial Term Loan Facility. We paid \$3.7 million of debt issuance costs related to the Delayed Draw Term Loan Facility and Revolving Credit Facility which are included in Other long-term assets on the Condensed Consolidated Balance Sheets as of June 30, 2024.

We recognized \$6.9 million and \$12.7 million of interest expense on the Credit Facilities for the three and six months ended June 30, 2024, respectively, of which \$298,000 and \$639,000 represent non-cash amortization of debt issuance costs for the three and six months ended June 30, 2024, respectively. There was approximately \$6.0 million of unamortized debt issuance costs related to the Initial Term Loan Facility as of June 30, 2024.

The proceeds of the initial borrowings were used along with cash on hand to pay off our previously existing credit agreement, dated as of December 1, 2017, and pay related fees and expenses. As a result of this transaction, we recorded a loss on extinguishment of debt of \$3.7 million during the six months ended June 30, 2024 on our Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income. See Part I, Item 1, Note 9 of the "Notes to Condensed Consolidated Financial Statements" for further discussion of our new Ares Credit Agreement.

The final scheduled maturity date of the Credit Facilities is January 18, 2030. There are no scheduled repayments of principal required to be made prior to the final maturity date. We have the right to prepay loans under the Ares Credit Agreement in whole or in part at any time, provided that any prepayment of loans under the Term Loan Facilities (or loans under the Revolving Credit Facility to the extent of reducing the balance of outstanding loans below \$30.0 million) will be subject to a prepayment premium of 5.00% if the prepayment occurs prior to January 18, 2025 and 1.00% if the prepayment occurs thereafter and prior to January 18, 2026. Amounts repaid in respect of loans under the Term Loan Facilities may not be reborrowed. Amounts repaid in respect of loans under the Revolving Credit Facility may be reborrowed. Loans under the Term Loan Facilities bear interest, at our option, at a floating annual rate equal to either the base rate plus a margin of 5.50% or the Adjusted Term Secured Overnight Financing Rate ("Adjusted Term SOFR") plus a margin of 6.50%; beginning with the second fiscal quarter of 2025, the margin may step down to 5.25% and 6.25%, respectively, based on our total net leverage ratio at such time. Loans under the Revolving Credit Facility bear interest, at our option, at a floating annual rate equal to either the base rate plus a margin of 4.00%. In addition, we will be required to pay fees of 0.50% per annum on the daily unused amount of the Revolving Credit Facility and 1.00% per annum on the daily unused amount of the Delayed Draw Term Loan Facility.

# Convertible Senior Notes

On June 18, 2020 we issued \$100.0 million aggregate principal amount of 4.25% Convertible Senior Notes with a maturity date of July 1, 2025 (the "Convertible Senior Notes"). The Convertible Senior Notes may be settled in cash, stock, or a combination thereof, solely at our discretion. The initial conversion rate of the Convertible Senior Notes is 42.6203 shares per \$1,000 principal amount, which is equivalent to a conversion price of approximately \$23.46 per share, subject to adjustments. We use the if-converted method for assumed conversion of the Convertible Senior Notes for the diluted earnings per share calculation. The fair value and the effective interest rate of the Convertible Senior Notes as of June 30, 2024 was approximately \$125.5 million and 5.05%, respectively. The fair value was based on market prices observable for similar instruments and is considered Level 2 in the fair value hierarchy.

Holders of the Convertible Senior Notes may convert their notes at their option at any time prior to January 1, 2025 but only under the following circumstances: (i) during any calendar quarter commencing after the calendar quarter ending on September 30, 2020 (and only during such calendar quarter), if the last reported sale price of our common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding calendar quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (ii) during the five business day period after any five consecutive trading day period in which the trading price per \$1,000 principal amount of notes for each trading day of the measurement period was less than 98% of the product of the last reported sale price of our common stock and the conversion rate on each such trading day; (iii) we give a notice of redemption with respect to any or all of the notes, at any time prior to the close of business on the second scheduled trading day immediately preceding the redemption date; or (iv) upon the occurrence of specified corporate events. On or after January 1, 2025 until the close of business on the second scheduled trading day immediately preceding the redemption date; preceding the maturity date, holders may convert their notes at any time, regardless of the foregoing circumstances.

We became eligible to redeem the Convertible Senior Notes beginning on July 5, 2023, following the expiration of their non-redemption period. We are able to redeem the Convertible Senior Notes in whole or in part, at our option, if the last reported sale price per share of our common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which we provide notice of redemption. We may redeem for cash all or part of the Convertible Senior Notes at a redemption price equal to 100% of the principal amount of the redeemable Convertible Senior Notes, plus accrued and unpaid interest to, but excluding, the redemption date. No principal payments are due on the Convertible Senior Notes prior to maturity. Other than restrictions relating to certain fundamental changes and consolidations, mergers or asset sales and customary anti-dilution adjustments, the Convertible Senior Notes do not contain any financial covenants and do not restrict us from conducting significant restructuring transactions or issuing or repurchasing any of our other securities. As of June 30, 2024 and December 31, 2023 we are not aware of any current events or market conditions that would allow holders to convert the Convertible Senior Notes.

As of June 30, 2024 approximately 29% of our cash and cash equivalents were held in foreign jurisdictions.

The following table summarizes cash flows from operating activities, investing activities, and financing activities for the periods indicated (in thousands):

	Six Months Ended June 30,			
		2024		2023
Cash flows provided by (used in):				
Operating activities	\$	642	\$	755
Investing activities		(6,124)		4,235
Financing activities		556		3,404
Effect of exchange rate changes on cash and cash equivalents		1,005		1,030
(Decrease) increase in cash and cash equivalents		(3,921)	\$	9,424

# Net Cash Flows from Operating Activities

Net cash provided by operating activities was \$642,000 and \$755,000 for the six months ended June 30, 2024 and 2023, respectively.

We use the indirect method to prepare our cash flow statement and, accordingly, the operating cash flows are based on our net income, which is then adjusted to remove non-cash items, items classified as investing and financing cash flows, and changes in operating assets and liabilities from the prior year end. For the six months ended June 30, 2024 these non-cash items primarily included \$15.7 million of fair value adjustments of financial instruments, \$11.8 million of depreciation and amortization expenses, \$7.7 million of non-cash compensation, \$3.9 million of non-cash lease expenses, \$3.7 million of loss on extinguishment of debt, \$1.5 million of write-down of inventories and deferred preservation costs, and \$1.0 million of deferred income tax changes.

Our working capital needs, or changes in operating assets and liabilities, also affected cash from operations. For the six months ended June 30, 2024 these included the unfavorable effect of \$6.4 million due to the timing differences between recording receivables and the receipt of cash and \$6.0 million due to timing differences between the recording of accounts payable, accrued expenses, and other liabilities and the payment of cash, \$5.2 million due to an increase in prepaid expenses and other assets, and \$2.2 million due to an increase in inventory balances and deferred preservation costs.

# Net Cash Flows from Investing Activities

Net cash used in investing activities was \$6.1 million for the six months ended June 30, 2024, as compared to net cash provided by investing activities of \$4.2 million for the six months ended June 30, 2023. During the six months ended June 30, 2024 cash flows used in investing activities included \$6.1 million of cash used for capital expenditures.

# Net Cash Flows from Financing Activities

Net cash provided by financing activities was \$556,000 and \$3.4 million for the six months ended June 30, 2024 and 2023, respectively. The current year cash provided by financing activities was primarily due to \$190.0 million of proceeds from the Initial Term Loan Facility, \$30.0 million of proceeds from the Revolving Credit Facility, and \$3.6 million of proceeds from the exercise of stock options and issuances of common stock, partially offset by \$211.7 million for the repayment of debt, \$10.0 million for the payment of debt issuance costs, and \$1.0 million for the payments of short-term notes payable.

# Scheduled Contractual Obligations and Future Payments

Our long-term debt obligations and interest payments include \$320.3 million of scheduled principal payments and \$138.1 million in anticipated interest payments related to our Initial Term Loan Facility, Revolving Credit Facility, Convertible Senior Notes, and other governmental loans.

We have contingent payment obligations that include up to \$100.0 million to be paid to the former shareholders of Ascyrus upon the achievement of certain milestones. As part of the transaction with Baxter, we may be required to pay up to \$3.0 million if certain milestones are met. Pursuant to the Amended and Restated Loan Agreement with Endospan Ltd. ("Endospan") dated July 1, 2024, we have agreed as the lender to fund up to \$25.0 million in secured tranches, the first \$7.0 million tranche was funded on July 11, 2024. The remaining \$18.0 million of payments are subject to Endospan's achievement of milestones related to its pursuit of regulatory approval for the NEXUS products.

Our operating and finance lease obligations result from the lease of land and buildings that comprise our corporate headquarters and our various manufacturing facilities; leases related to additional manufacturing, office, and warehouse space; leases on company vehicles; and leases on a variety of office and other equipment.

# **Capital Expenditures**

Capital expenditures were \$6.1 million and \$5.0 million for the six months ended June 30, 2024 and 2023, respectively. Capital expenditures for the six months ended June 30, 2024 were primarily related to routine purchases of computer software, manufacturing and tissue processing equipment, leasehold improvements, and computer equipment needed to support our business.

### **Risks and Uncertainties**

See the "Risk Factors" identified in Part II, Item 1A of this Form 10-Q.

# Item 3. Quantitative and Qualitative Disclosures About Market Risk.

### Interest Rate Risk

Our interest income and interest expense are sensitive to changes in the general level of US interest rates. In this regard, changes in US interest rates affect the interest earned on our cash and cash equivalents of \$55.0 million as of June 30, 2024 and interest paid on the outstanding balances, if any, of our variable rate Credit Facilities and Convertible Senior Notes. A 10% adverse change in interest rates, as compared to the rates experienced by us for the six months ended June 30, 2024, affecting our cash and cash equivalents, Credit Facilities, and Convertible Senior Notes would not have a material effect on our financial position, results of operations, or cash flows.

# Foreign Currency Exchange Rate Risk

We have balances, such as cash, accounts receivable, accounts payable, and accruals that are denominated in foreign currencies. These foreign currency denominated balances are sensitive to changes in exchange rates. In this regard, changes in exchange rates could cause a change in the US Dollar equivalent of cash or funds that we will receive in payment for assets or that we would have to pay to settle liabilities. As a result, we could be required to record these changes as gains or losses on foreign currency translation.

We have revenues and expenses that are denominated in foreign currencies. Specifically, a portion of our international aortic stent grafts, surgical sealants, On-X products, and other product revenues are denominated in Euros, Brazilian Reals, Polish Zlotys, British Pounds, Canadian Dollars, and Swiss Francs and a portion of our General, administrative, and marketing expenses are denominated in Euros, Brazilian Reals, Polish Zlotys, British Pounds, Canadian Dollars, Swiss Francs, and Singapore Dollars. These foreign currency transactions are sensitive to changes in exchange rates. In this regard, changes in exchange rates could cause a change in the US Dollar equivalent of net income from transactions conducted in other currencies. As a result, we could recognize a reduction in revenues or an increase in expenses related to a change in exchange rates.

An additional 10% adverse change in exchange rates from the exchange rates in effect on June 30, 2024 affecting our balances denominated in foreign currencies could impact our financial position or cash flows by approximately \$7.0 million. An additional 10% adverse change in exchange rates from the weighted-average exchange rates experienced by us for the six months ended June 30, 2024 affecting our revenue and expense transactions denominated in foreign currencies would not have had a material impact on our financial position or profitability.

#### Item 4. Controls and Procedures.

#### **Evaluation of Disclosure Controls and Procedures**

We maintain disclosure controls and procedures ("Disclosure Controls") as such term is defined under Rule 13a-15(e) promulgated under the Exchange Act. These Disclosure Controls are designed to ensure that information required to be disclosed in our Exchange Act reports is recorded, processed, summarized, and reported within the time periods specified in the US Securities and Exchange Commission's ("SEC") rules and forms and that such information is accumulated and communicated to management, including to the Chief Executive Officer ("CEO") and Chief Financial Officer ("CFO"), as appropriate, to allow timely decisions regarding required disclosures.



Our management, including our President and CEO and our Executive Vice President of Finance and CFO, does not expect that our Disclosure Controls will prevent all error and all fraud. A control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. The design of any system of controls is based in part upon certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed in achieving our stated goals under all potential future conditions. Further, the design of a control system must reflect the fact that there are resource constraints, and the benefits of controls must be considered relative to their costs. Due to the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, within Artivion have been detected. These inherent limitations include the realities that judgments in decision-making can be faulty and that breakdowns can occur because of simple error or mistake. Our Disclosure Controls have been designed to provide reasonable assurance of achieving their objectives.

Our management utilizes the criteria set forth in "Internal Control-Integrated Framework (2013)" issued by the Committee of Sponsoring Organizations of the Treadway Commission to evaluate the effectiveness of our Disclosure Controls over financial reporting. Based upon the most recent Disclosure Controls evaluation conducted by management with the participation of the CEO and CFO, as of June 30, 2024 the CEO and CFO have concluded that our Disclosure Controls were effective at a reasonable assurance level to satisfy their objectives and to ensure that the information required to be disclosed by us in our periodic reports is accumulated and communicated to management, including the CEO and CFO, as appropriate to allow timely decisions regarding disclosure and is recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms.

#### **Changes to Disclosure Controls and Procedures**

There were no changes in our internal controls over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) during the three months ended June 30, 2024 that have materially affected, or are reasonably likely to materially affect, our internal controls over financial reporting.

# Part II – OTHER INFORMATION

### Item 1. Legal Proceedings.

From time to time, we are involved in legal proceedings concerning matters arising from the conduct of our business activities. We regularly evaluate the status of legal proceedings in which we are involved in order to assess whether a loss is probable or whether there is a reasonable possibility that a loss or additional loss may have been incurred and to determine if accruals are appropriate. We further evaluate each legal proceeding to assess whether an estimate of possible loss or range of loss can be made.

Based on current knowledge, we do not believe that there are any pending matters that could potentially have a material, adverse effect on our business, financial condition, results of operations, or cash flows. We are, however, engaged in various legal actions in the normal course of business. There can be no assurances in light of the inherent uncertainties involved in any potential legal proceedings, some of which are beyond our control, and an adverse outcome in any legal proceeding could be material to our results of operations or cash flows for any particular reporting period.

# Item 1A. Risk Factors.

# **Risks Relating to Our Business**

Our business involves a variety of risks and uncertainties, known and unknown, including, among others, the risks discussed below. These risks should be carefully considered together with the other information provided in this Quarterly Report on Form 10-Q and in our other filings with the US Securities and Exchange Commission (the "SEC"). Our failure to adequately anticipate or address these risks and uncertainties may have a material, adverse impact on our business, reputation, revenues, financial condition, profitability, and cash flows. Additional risks and uncertainties not presently known or knowable to us, or that we currently believe to be immaterial, may also adversely affect our business.

# Business and Economic Risks

# We are subject to a variety of risks due to our international operations and continued global expansion.

Our international operations subject us to a number of risks, which may vary significantly from the risks we face in our US operations, including:

- Greater difficulties and costs associated with staffing at all levels, establishing and maintaining internal controls, managing foreign operations and distributor relationships, and selling directly to customers;
- Broader exposure to corruption and expanded compliance obligations, including under the Foreign Corrupt Practices Act, the UK Bribery Law, local anti-corruption laws, Office of Foreign Asset Control administered sanction programs, the European Union's General Data Protection Regulation and Corporate Sustainability Reporting Directive, and other emerging corruption, sustainability, and data privacy and cybersecurity regulations;
- Overlapping, ambiguous, and potentially conflicting, or unexpected changes in, international legal and regulatory requirements or reimbursement policies and programs;
- Longer and more expensive collection cycles in certain countries, particularly those in which our primary customers are government-funded hospitals;
- Changes in currency exchange rates, particularly fluctuations in the Euro as compared to the US Dollar and other inflationary pressures;
- Potential adverse financial impact and negative erosion of our operating profit margin over time due to increasing inflationary pressures, including impact felt through our supply chain; our exposure may be increased through our limited ability to raise prices and through global expansion where business occurs with, or pricing is set directly by, government entities, or we are party to long term pricing agreements with governments or local distributors, impacting our ability to pass on rising costs;
- Potential adverse tax consequences of overlapping tax structures or potential changes in domestic and international tax policy, laws, and treaties; and
- Potential adverse financial and regulatory consequences resulting from Brexit.



As an example of this risk, via a Ministerial Decree of July 6, 2022, published September 15, 2022, the Italian government stated that the spending ceiling for medical devices at the national and regional levels had been exceeded, requiring medical device companies to pay back alleged overpayments the government claims companies received between 2015 and 2018. Currently, Artivion's repayment exposure for this period is estimated at approximately &lementeries (215,000, which is subject to change as judicial challenges and negotiations between us, industry, US government representatives, and the Italian government are ongoing.

Our operations and performance have been, and may continue to be, impacted by regional and global geopolitical conditions, domestic and foreign trade and monetary policies, and other factors beyond our control. As an example of these risks, Russia's military attacks on Ukraine have triggered significant sanctions from the US and foreign governments and retaliatory actions from Russia, resulting in significant banking and trade disruptions. More recently, war has been declared in the Gaza Strip resulting in an expanding regional crisis involving an increasing number of countries. These wars have resulted in significant devastation to the people and infrastructure in the affected regions, significantly impacting trade and transportation which may impact our global supply chain, increase prices, and limit our ability to continue to do business in those regions.

To date, sanctions and other disruptions in the Eastern European region have not materially impacted our business or ability to supply products to Russia, Belarus, Ukraine, and the region generally; however, continuation or escalation of the wars in Ukraine or the Middle East, or increased export controls or additional sanctions imposed on or by impacted countries, their allies, or related entities could adversely affect our financial performance. Although we do not have any direct operations in Russia, Ukraine, Israel, or Gaza, NEXUS and NEXUS DUO (the "NEXUS Products") are solely manufactured by Endospan in Herzliya, Israel. Although we have not experienced any material disruption of supply from Endospan, the conflict in and around Israel continues with apparent limited prospects for resolution. Ultimately, it is difficult to predict the ultimate course of these wars and we may face business operations and supply chain disruptions as a result, including disruptions related to shortages of materials and finished goods, higher costs of materials and freight, freight delays, increased energy costs or energy shortages, travel disruptions, currency fluctuation, and disruptions to banking systems or capital markets.

# We operate in highly competitive market segments, face competition from large, well-established medical device companies and tissue service providers with greater resources and we may not be able to compete effectively.

The market for our products and services is competitive and affected by new product introductions and activities of other industry participants, including the introduction of novel products and therapies aimed at unrelated disease states or even overall patient health. In addition, such products and therapies like the recently introduced GLP-1 drugs, which we believe have or will have little to no actual impact on demand for our products, can lead to investor and customer confusion and impact the perceived demand for our products. We face intense competition in virtually all of our product lines. A significant percentage of market revenues from competitive products are generated by Baxter, Ethicon (a Johnson & Johnson Company), Medtronic, Abbott Laboratories, Edwards Lifesciences, C.R. Bard (a subsidiary of Becton, Dickinson and Company), Integra Life Sciences, LifeNet, Corcym, Anteris Technologies, Elutia (formerly Aziyo Biologics), Cook Medical, Gore & Associates, Terumo, LeMaitre Vascular, Maquet, Pfizer, and BioCer Entwicklungs-GmbH. Several of our competitive advantages over us, including:

- Greater financial and other resources for research and development, commercialization, acquisitions, and litigation and to weather the impacts of global economic downturns and increased workforce competition;
- Greater name recognition as well as more recognizable trademarks for products similar to products that we sell;
- More established record of obtaining and maintaining regulatory product clearances or approvals;
- More established relationships with healthcare providers and payors;
- · Lower cost of goods sold or preservation costs; and
- Larger direct sales forces and more established distribution networks.

#### We are significantly dependent on our revenues from tissue preservation services and are subject to a variety of risks affecting them.

Tissue preservation services are a significant source of our revenues, and as such, we face risks if we are unable to:

- Source sufficient quantities of some human tissue or address potential excess supply of others. We rely primarily upon the efforts of third parties to
  educate the public and foster a willingness to donate tissue. Factors beyond our control such as supply, regulatory changes, negative publicity
  concerning methods of tissue recovery or disease transmission from donated tissue, or public opinion of the donor process as well as our own
  reputation in the industry can negatively impact the supply of tissue;
- Compete effectively, as we may be unable to capitalize on our clinical advantages or our competitors may have advantages over us in terms of cost structure, pricing, back-office automation, marketing, and sourcing; or
- Mitigate sufficiently the risk that tissue can become contaminated during processing; that processed tissue cannot be end-sterilized and hence carries an inherent risk of infection or disease transmission or that our quality controls can eliminate that risk.

In addition, US and foreign governmental authorities have adopted laws and regulations that restrict tissue preservation services and the avenues available to distribute processed tissues. Any of these laws or regulations could change, including becoming more restrictive, or our interpretation of them could be challenged by governmental authorities.

#### We are significantly dependent on our revenues from BioGlue and are subject to a variety of related risks.

BioGlue is a significant source of our revenues, and as such, any risk adversely affecting our BioGlue products or business would likely be material to our financial results. We face the following risks relating to BioGlue:

- Competing effectively with our major and start up competitors, as they may have advantages over us in terms of cost structure, supply chain, pricing, sales force footprint, and brand recognition;
- We may be unable to obtain approval to commercialize BioGlue in certain non-US countries as fast as our competitors do or at all. We also may not be able to capitalize on new BioGlue approvals, including for new indications, in non-US countries; and
- BioGlue contains a bovine blood protein. Animal-based products are subject to increased scrutiny from the public and regulators, who may seek to impose additional regulations, regulatory hurdles or product bans in certain countries on such products; BioGlue is a mature product and other companies may use the inventions disclosed in expired BioGlue patents to develop and make competing products.

As an example of this risk, our BioGlue CE Mark expired in December 2021. Delays in renewing the CE Mark and challenges securing certain related derogations ultimately impacted the availability of BioGlue in certain European markets and other markets reliant on the CE Mark, impacting our revenue from BioGlue in those markets. See also, Part I, Item 1A, "Risk Factors—Industry Risks— Our products and tissues are highly regulated and subject to significant quality and regulatory risks." (further discussing the impact of and risks relating to the BioGlue CE Mark).

#### We are significantly dependent on our revenues from aortic stent grafts and are subject to a variety of related risks.

Aortic stent grafts are a significant source of our revenues, and as such, any risk adversely affecting aortic stent grafts would likely be material to our financial results. We face risks relating to aortic stent grafts based on our ability to:

- Compete effectively with some of our major competitors, as they may have advantages over us in terms of cost structure, supply chain, pricing, sales force footprint, and brand recognition;
- · Develop innovative, high quality, and in-demand aortic repair products;
- Respond adequately to enhanced regulatory requirements and enforcement activities, and particularly, our ability to obtain regulatory approvals and renewals globally;
- · Meet demand and manage inventory for aortic stent grafts as we seek to expand our business globally; and
- Maintain a productive working relationship with our Works Council in Germany.



# We are significantly dependent on our revenues from On-X products and are subject to a variety of related risks.

On-X products are a significant source of our revenues, and as such, any risk adversely affecting our On-X products or business would likely be material to our financial results. We face risks based on our ability to:

- Compete effectively with some of our major competitors, as they may have advantages over us in terms of cost structure, supply chain, pricing, sales force footprint, and brand recognition;
- Take further market share in the mechanical heart valve market based on the FDA's approved lower INR indication for the On-X aortic heart valve or complete the associated FDA mandated post-approval studies;
- Address clinical trial data or changes in technology that may reduce the demand for mechanical heart valves, such as data regarding transcatheter aortic valve replacement, or "TAVR" devices;
- Manage risks associated with less favorable contract terms for On-X products on consignment at hospitals; and
- Respond adequately to enhanced international regulatory requirements or enforcement activities.

# Continued fluctuation of foreign currencies relative to the US Dollar could materially, adversely affect our business.

The majority of our foreign product revenues are denominated in Euros and, as such, are sensitive to changes in exchange rates. In addition, a portion of our dollar-denominated and euro-denominated product sales are made to customers in other countries who must convert local currencies into US Dollars or Euros in order to purchase these products. We also have balances, such as cash, accounts receivable, accounts payable, and accruals that are denominated in foreign currencies. These foreign currency transactions and balances are sensitive to changes in exchange rates. Additionally, as a result of global inflationary pressures, and in some cases, currency crises, it is possible that foreign currency controls, the development of parallel exchange rates, or highly inflationary economies could arise in certain countries. Fluctuations in exchange rates of Euros or other local currencies in relation to the US Dollar could materially reduce our future revenues as compared to the comparable prior periods. Should this occur, it could have a material, adverse impact on our revenues, financial condition, profitability, and cash flows.

# Our charges resulting from acquisitions, restructurings, and integrations may materially, adversely affect the market value of our common stock.

We account for the completion of acquisitions using the purchase method of accounting. Our financial results could be adversely affected by a number of financial adjustments required by purchase accounting such as:

- We may incur additional amortization expense over the estimated useful lives of some acquired intangible assets;
- We may incur additional depreciation expense as a result of recording purchased tangible assets;
- We may be required to incur material charges relating to any impairment of goodwill and intangible assets;
- Cost of sales may increase temporarily if acquired inventory is recorded at fair market value;
- If acquisition consideration consists of earnouts, our earnings may be affected by changes in estimates of future contingent consideration; or
- · Earnings may be affected by transaction and integration costs, which are expensed immediately.

As an example of this risk, we fully impaired the value of our original securities purchase option agreement with Endospan ("Endospan Option") and fully wrote-down the value of our original agreement for a secured loan from Artivion to Endospan ("Endospan Loan"), primarily driven by a decrease in forecasted operating results. This impairment, and other potential risks like those mentioned above, may adversely affect the market value of our common stock.

# Public health crises have, may continue to have, and could have a material, adverse impact on us.

Beginning in early 2020 businesses, communities, and governments worldwide began taking a wide range of actions to mitigate the spread and impact of COVID-19, leading to an unprecedented impact on the global economy. We continue to be subject to risks relating to the COVID-19 pandemic and its impact on broader macroeconomic trends, and risks that may result from future pandemics, epidemics, or other public health crises. The nature and extent of these risks are uncertain and may vary greatly by region, but COVID-19 and similar public health crises have impacted and can impact our workforce, business and manufacturing operations, and our R&D pipeline.



Because of our role in the healthcare industry, we are particularly susceptible to the impact public health crises have on healthcare systems globally, including impacts on system capacity and procedure volumes, shortages in healthcare staffing, and restrictions on travel and non-critical hospital access, all of which have had, may continue to have, and could have an impact on our business operations and sales, particularly through reductions in demand for certain products and services due to reduced procedure volumes, or through downstream financial impact from delays or difficulty collecting outstanding receivables. This impact on healthcare system capacity may also impact our R&D pipeline by impacting timelines for R&D and clinical research projects and timelines associated with regulatory reviews for new and updated devices.

The extent to which COVID-19, its variants, or any future public health crises and the recoveries therefrom impact our operations and broader macroeconomic conditions, will depend largely on future developments that are highly uncertain and unpredictable and may vary greatly by region. This impact and any such adverse developments or prolonged periods of uncertainty could adversely affect our financial performance.

#### **Operational Risks**

#### We are heavily dependent on our suppliers and contract manufacturers to provide quality products.

The materials and supplies used in our product manufacturing and tissue processing are subject to regulatory requirements and oversight. If materials or supplies used in our processes fail to meet these requirements or are subject to regulatory enforcement action, they may have to be scrapped, or our products or tissues could be rejected during or after processing, recalled, or rejected by customers. In these cases, we may have to immediately scrap raw or in-process materials and expense the costs of manufacturing or preservation.

As an example of this risk, in the fourth quarter of 2020 we became aware that a supplier shipped to us a lot of saline solution that we use in our tissue processing that contained some contamination. The contamination was identified by our routine quality controls. While we were able to mitigate the impact of this contamination through our own efforts and additional testing that was reviewed with the FDA, the contaminated solution impacted a small percentage of the tissue processed with this lot of solution, requiring us to write-off those contaminated tissues in the fourth quarter of 2020 and impacting our ability to fully meet demand for certain tissues and sizes in the fourth quarter of 2020, the first quarter of 2021, and, to a lesser extent, the second quarter of 2021.

In addition, if these materials or supplies, or changes to them, do not receive regulatory approval or are recalled, if the related suppliers and/or their facilities are shut down temporarily or permanently, for any reason, or if the related suppliers are otherwise unable or unwilling to supply us, we may not have sufficient materials or supplies to manufacture our products or process tissues. In addition, we rely on contract manufacturers to manufacture some of our products or to provide additional manufacturing capacity for some products. If these contract manufacturers fail to meet our quality standards or other requirements or if they are unable or unwilling to supply the products, we may not be able to meet demand for these products. Our ability to fully recover all possible losses from these suppliers and contract manufacturers may have practical limitations imposed by factors like industry standard contractual terms or the financial resources of the adverse party.

Finally, the wars in Ukraine and the Middle East, work force shortages, exchange rates, and inflation continue to impact the global supply chain; their impact on workforces, global mobility, material availability, demand, and shipping and reorder times and reliability has reportedly continued or worsened in many cases. The ongoing wars may add to or exacerbate challenges faced by the global supply chain. See Part I, Item 1A, "Risk Factors – Business and Economic Risks – We are subject to a variety of risks due to our international operations and continued global expansion." Although we have yet to experience any material effects of this impact on our supply chain or operations, we face an increasing risk that upstream disruptions may occur. Risks relating to the lingering effects of global supply chain disruptions may even continue after the wars in Ukraine and the Middle East have subsided.

# We are dependent on single and sole-source suppliers and single facilities.

Some of the materials, supplies, and services used in our product manufacturing and tissue processing, as well as some of our products, are sourced from single- or sole-source suppliers. As a result, our ability to negotiate favorable terms with those suppliers may be limited, and if those suppliers experience operational, financial, quality, or regulatory difficulties, or if those suppliers and/or their facilities refuse to supply us or cease operations temporarily or permanently, or if those suppliers take unreasonable business positions, we could be forced to cease product manufacturing or tissue processing until the suppliers resume operations, until alternative suppliers could be identified and qualified, or permanently if the suppliers do not resume operations and no alternative suppliers could be forced to purchase alternative materials, supplies, or services with unfavorable terms due to diminished bargaining power.

As an example of these risks, in 2019 we lost our supply of handpieces for cardiac laser therapy resulting from a manufacturing location change at our supplier that ultimately required a Premarket Approval ("PMA") supplement and FDA approval before handpiece manufacturing and distribution could resume. Even though the FDA approved the PMA-S, our supplier was unable to fully resume production due to supply-related factors outside of our control and we eventually abandoned the business as of June 2023. As a result, we wrote-off all of our CardioGenesis cardiac laser therapy assets and recorded an expense of \$390,000 during the twelve months ended December 31, 2023 on our Consolidated Statements of Operations and Comprehensive Loss.

By way of additional non-limiting examples, our BioGlue product has three main product components: bovine protein, a cross linker, and a molded plastic resin delivery device. The bovine protein and cross linker are obtained from a small number of qualified suppliers. The delivery devices are manufactured by a single supplier, using resin supplied by a different single supplier. We purchase grafts for our On-X AAP from a single supplier and various other components for our On-X valves come from single-source suppliers.

Our preservation services business and our ability to supply needed tissues is dependent upon donation of tissues from human donors by donor families. Donated human tissue is procured from deceased human donors by organ and tissue procurement organizations ("OPOs") and tissue banks. We must rely on the OPOs and tissue banks that we work with to educate the public on the need for donation, to foster a willingness to donate tissue, to follow our donor screening and procurement procedures, and to send donated tissue to us. We have active relationships with approximately 60 OPOs and tissue banks throughout the US. As with any vendor, we believe these relationships with our OPOs are critical in the preservation services industry and that the breadth of these existing relationships provides us with a significant advantage over potential new entrants to this market. We also use various raw materials, including medicines and solutions, in our tissue processing. Some of these raw materials are manufactured by single suppliers or by a small group of suppliers.

Our aortic stent graft systems consist of two main product components: the stent graft and the delivery system. The stent graft is manufactured from several different raw materials that are manufactured internally or at various external suppliers, including single suppliers. The delivery systems we manufacture are comprised of several different raw materials and subassemblies. Our internal manufacturing processes include machining of plastic parts, suturing of stent grafts, processing of Nitinol, and weaving of textiles. Our conventional polyester grafts consist of two main product components: polyester fabric and collagen coating. The polyester fabric is woven from a few different yarns that are supplied by an external supplier. The collagen suspension we manufacture is comprised of a collagenous tissue that is supplied by a single supplier. The conventional ePTFE grafts we manufacture are comprised of various raw materials supplied by several suppliers. For some products the ePTFE grafts are heparin coated. For these products, the heparin suspension we manufacture is comprised of a heparin solution that is also supplied by an external supplier.

We have three internal manufacturing facilities: Austin, Texas for On-X products, Hechingen, Germany for internally manufactured aortic stent grafts, and Kennesaw, Georgia for all other products and services. Certain aortic stent graft assemblies are manufactured for us by a contract manufacturer in Slovakia. The AMDS product is solely manufactured by a supplier in Charlotte, North Carolina, and the NEXUS Products are solely manufactured by Endospan in Herzliya, Israel. If one of these suppliers or facilities ceases operations temporarily or permanently, for any reason including a pandemic, war, work stoppage, or climate change related event, our business could be substantially disrupted.

Although we work diligently to maintain adequate inventories of raw materials, components, supplies, subassemblies, and finished goods, there can be no assurance that we will be able to avoid all disruptions to our global supply chain, or disruptions to our sterilization or distribution networks. Any of these disruptions could have a material, adverse effect on our revenues, reputation, or profitability.



# We are dependent on our specialized workforce.

Our business and future operating results depend in significant part upon the continued contributions of our specialized workforce, including key personnel, qualified personnel with medical device and tissue processing experience, and senior management with experience in the medical device or tissue processing space, some of whom would be difficult to replace. Our business and future operating results, including production at our manufacturing and tissue processing facilities, also depend in significant part on our ability to attract and retain qualified management, operations, processing, marketing, sales, and support personnel. Our primary facilities are in Kennesaw, Georgia; Austin, Texas; and Hechingen, Germany, where the supply of qualified medical device and tissue processing and other personnel is limited, competition for such personnel is significant, and we cannot ensure that we will be successful in attracting or retaining them. We face risks if we lose any key employees to other employees. This risk was exacerbated by the pandemic and continues to be impacted by changes in macroeconomic conditions. Competition for talent and worker shortages at all levels have impacted supply chains and distribution channels and our ability to attract and retain the specialized workforce necessary for our business and operations.

# We continue to evaluate expansion through acquisitions of, or licenses with, investments in, and distribution arrangements with, other companies or technologies, which may carry significant risks.

One of our growth strategies is to pursue select acquisitions, licensing, or distribution rights with companies or technologies that complement our existing products, services, and infrastructure. In connection with one or more of these transactions, we may:

- · Issue additional equity securities that would dilute our stockholders' ownership interest;
- Use cash we may need in the future to operate our business;
- Incur debt, including on terms that could be unfavorable to us or debt we might be unable to repay;
- Structure the transaction resulting in unfavorable tax consequences, such as a stock purchase that does not permit a step-up in basis for the assets acquired;
- Be unable to realize the anticipated benefits of the transaction; or
- Assume material unknown liabilities associated with the acquired business.

#### We may not realize all the anticipated benefits of our business development activities.

As part of our efforts to drive growth by pursuing select acquisition, license, and distribution opportunities that are aligned to our objectives and complement our existing products, services, and infrastructure or to divest non-core product lines, we have completed several transactions in recent years and may pursue similar additional transactions in the future. Examples of these activities include the following:

- On September 11, 2019 we entered into various agreements with Endospan, an Israeli medical device manufacturer (the "Endospan Transaction"). The Endospan Transaction included an exclusive distribution agreement for NEXUS in Europe, the Endospan Loan, and a security purchase option agreement for Artivion to purchase all the outstanding Endospan securities from Endospan's existing security holders upon FDA approval of the NEXUS Products;
- On September 2, 2020 we acquired 100% of the outstanding shares of Ascyrus, the developer of AMDS; and
- On July 28, 2021 we entered into various agreements with Baxter and SMI related to the sale of our PerClot assets to Baxter and the termination
  of our existing material agreements with SMI.

Our ability to realize the anticipated business opportunities, growth prospects, cost savings, synergies, and other benefits of these and other transactions depends on a number of factors including our ability to:

- Leverage our global infrastructure to sell and cross-market the acquired products;
- Drive adoption of the NEXUS Products and AMDS in the European and other markets, including our ability to manage the substantial product training, implant support, and proctoring requirements for NEXUS procedures;
- Bring acquired products to the US market, including our acquired aortic stent grafts;
- · Harness the aortic stent graft product pipeline and our research and development capabilities;
- Obtain regulatory approvals in relevant markets, including our ability to timely obtain or maintain CE Mark product certifications for pipeline and current products;
- Execute on development and clinical trial timelines for acquired products;

- Manage global inventories, including our ability to manage inventories for product lines with large numbers of product configurations and manage manufacturing and demand cycles to avoid excess inventory obsolescence due to shelf life expiration, particularly for processed tissues and aortic stent grafts;
- · Carry, service, and manage significant debt and repayment obligations; and
- Manage the unforeseen risks and uncertainties related to these transactions, including any related to intellectual property rights.

Additionally, our ability to realize the anticipated business opportunities, growth prospects, synergies, and other benefits of the Endospan Transaction depends on a number of additional factors including Endospan's ability to: (a) comply with the Endospan Loan and other debt obligations, and avoid an event of default; (b) successfully commercialize the NEXUS Products, raise capital and drive adoption in markets in and outside of Europe; (c) meet demand for the NEXUS Products; (d) meet quality and regulatory requirements for the NEXUS Products; (e) manage any intellectual property risks and uncertainties associated with the NEXUS Products; (f) obtain FDA approval of the NEXUS Products; (g) remain a going concern; and (h) develop the NEXUS Products, and other product improvements to meet competitive threats and physician demand. As an example of this risk, the forecasted operating results related to NEXUS decreased, resulting in an impairment to the carrying value of the Endospan Option, and a full write-down of the value of the Endospan Loan, reflecting decreased expectations with respect to the anticipated benefits of the Endospan Transaction.

Many of these factors are outside of our control and any one of them could result in increased costs, decreased revenues, and diversion of management's time and energy. The benefits of these transactions may not be achieved within the anticipated time frame or at all. Any of these factors could negatively impact our earnings per share, decrease or delay the expected accretive effect of the transaction, and negatively impact the price of our common stock. In addition, if we fail to realize the anticipated benefits of a transaction, we could experience an interruption or loss of momentum in our existing business activities.

# We may not realize all the anticipated benefits of our corporate rebranding and it may result in unanticipated disruptions to our on-going business.

In order to reflect our evolution to focus on providing innovative technologies to surgeons who treat patients with aortic disease, we changed our name to Artivion, Inc., effective January 18, 2022 (the "Corporate Rebrand"). The Corporate Rebrand also involved the adoption of a new ticker symbol on the New York Stock Exchange, "AORT". We may face unanticipated disruptions to our business arising from the Corporate Rebrand, and it may expose us to additional risks, including:

- Disruptions or unanticipated delays accessing certain markets or segments due to delays or other issues with regulatory approvals, clinical trials, or other updates arising from or related to the Corporate Rebrand;
- Confusion within the marketplace, particularly with multiple points of contact in our downstream product flow involving purchasing and accounts
  payable departments and end users;
- · Intellectual property risks associated with the adoption of a new corporate identity and trade dress; and
- Loss of brand equity associated with our legacy brands, including our CryoLife and JOTEC brands that will become less prominent over time.

The Corporate Rebrand involved significant financial and resource investment and will continue to do so as we complete our global brand transitions over the coming years. The anticipated benefits of the Corporate Rebrand may not be achieved within the anticipated timeframe, without additional near or longterm investment, or at all. Any of these factors could negatively impact our revenues, earnings per share, decrease or delay the expected accretive effect of the Corporate Rebrand, and negatively impact the price of our common stock.

#### Significant disruptions of information technology systems or breaches of information security systems could adversely affect our business.

We rely upon a combination of sophisticated information technology systems as well as traditional recordkeeping to operate our business. In the ordinary course of business, we collect, store, and transmit confidential information (including, but not limited to, information about our business, financial information, personnel data, intellectual property, and, in some instances, patient data). Our information technology and information security systems and records are potentially vulnerable to security breaches, service interruptions, data loss, or malicious attacks resulting from inadvertent or intentional actions by our employees, vendors, or other third parties. In addition, as a result of changes implemented during the COVID-19 pandemic, we now have remote work arrangements for some employees, and those employees may use outside technology and systems that are vulnerable to security breaches, service interruptions, data loss or malicious attacks, including by third parties.

While we have invested, and continue to invest, in our information technology and information security systems and employee information security training, there can be no assurance that our efforts will prevent all security breaches, service interruptions, or data losses, particularly in light of rapid improvements in information processing technology accompanying developments in, among other areas, artificial intelligence platforms. We have limited cyber-insurance coverage that may not cover all possible events, and this insurance is subject to deductibles and coverage limitations. Any security breaches, service interruptions, or data losses could adversely affect our business operations or result in the loss of critical or sensitive confidential information or intellectual property, or in financial, legal, business, and reputational harm to us or allow third parties to gain material, inside information that they may use to trade in our securities.

#### Industry Risks

#### Our products and tissues are highly regulated and subject to significant quality and regulatory risks.

The commercialization of medical devices and processing and distribution of human tissues are highly complex and subject to significant global quality and regulatory risks and as such, we face the following risks:

- Our products and tissues allegedly have caused, and may in the future cause, patient injury, which has exposed, and could in the future expose, us to liability claims that could lead to additional regulatory scrutiny;
- Our manufacturing and tissue processing operations are subject to regulatory scrutiny, inspections and enforcement actions, and regulatory agencies could require us to change or modify our operations or take other action, such as issuing product recalls or holds;
- Regulatory agencies could reclassify, re-evaluate, or suspend our clearances or approvals, or fail to, or decline to, issue or reissue our clearances or approvals that are necessary to sell our products and distribute tissues;
- Regulatory and quality requirements are subject to change, which could adversely affect our ability to sell our products or distribute tissues; and
- Adverse publicity associated with our products, processed tissues, or our industry could lead to a decreased use of our products or tissues, increased regulatory scrutiny, or product or tissue processing liability claims.

As an example of these risks, on May 25, 2017, the European Union adopted new regulations governing medical devices (the MDR), which were to be fully implemented on May 26, 2021. The MDR places stricter requirements on manufacturers and European Notified Bodies regarding, among other things, product classifications and pre- and post-market clinical studies for product clearances and approvals which could result in product reclassifications or the imposition of other regulatory requirements that could delay, impede, or prevent our ability to commercialize existing, improved, or new products in the European Economic Area and other markets that require or rely on CE Marking as a basis for market authorization.

The transition to the MDR has been fraught with difficulties and uncertainty, including delays in audits and approvals as part of that transition. The European Parliament most recently extended the MDR transition period under Regulation (EU) 2023/607 but it is still unclear whether this extension will be able to mitigate the challenges posed by the transition to the MDR. As a result, we face increased risks related to:

 Our Custom Devices: Stricter requirements on manufacturers of custom-made devices may delay, impede, or otherwise impact the availability of our E-xtra Design Engineering services and custom-made products;



- Our Existing CE Marks: The extended timeline for the MDR transition has resulted in certain MDD-based CE Marks expiring prior to the completion of the transition. Our MDD-based CE Mark for BioGlue expired in December 2021, and for Chord-X in September 2022. Although we were able to successfully gain CE Mark for BioGlue under the MDR, certification for Chord-X remains outstanding;
- Our Notified Bodies: The combination of the increased regulatory framework under the MDR and the UK's exit from the European Union have both had an impact on notified bodies. The MDR has significantly increased the workload on existing notified bodies and as a result, many have elected to leave the space, including our Notified Body in the UK, LRQA. Although we were able to transition our LRQA-issued certification for BioGlue to a new notified body, DEKRA, we are still in the process of transitioning the LRQA-issue certification for PhotoFix; and
- New CE Marks: The increased workload on notified bodies and other uncertainties around the transition to the MDR will likely cause delays in the approval for any new products that we may wish to bring to the EU market.

While we continue to make progress on the MDR transition, the transition to new notified bodies, and the renewal of expired CE Marks, failure to timely complete any transfers or renewals, or to comply with transition to a newly designated UK Approved Body, or further delays in the MDR transition as a whole, may have a material, adverse effect on our ability to supply product in certain jurisdictions, have a material, adverse impact on our business, and may also impact our Medical Device Single Audit Program ("MDSAP") certifications. Failure to timely obtain new MDSAP certifications following their expiration may impact our ability to distribute covered products in Australia, Brazil, Canada, and Japan.

# Reclassification by the FDA of CryoValve SG pulmonary heart valve ("CryoValve SGPV") may make it commercially infeasible to continue processing the CryoValve SGPV.

Beginning in December 2019 and most recently in the fall of 2023, the FDA indicated that it was planning to issue a proposed rule for reclassification of more than minimally manipulated ("MMM") allograft heart valves to Class III medical devices, which could include our CryoValve SGPV. Following any comment period and subsequent publication of a final rule, should the CryoValve SGPV be determined to be MMM or classified as a Class III device, we currently expect to have approximately thirty months to submit a PMA application, after which the FDA will determine if, and for how long, we may continue to provide these tissues to customers during its review of the PMA application. Although this proposed rule change has, to our knowledge, remained on the HHS's unified regulatory agenda since 2019, no final rule has been published at this time.

If the FDA ultimately classifies our CryoValve SGPV as a Class III medical device, and if there are delays in obtaining the PMA, if we are unsuccessful in obtaining the PMA, or if the costs associated with these activities are significant, we could decide that the requirements for continued processing of the CryoValve SGPV are too onerous, leading us to discontinue distribution of these tissues.

# We may not be successful in obtaining clinical results or regulatory clearances/approvals for new and existing products and services, and our approved products and services may not achieve market acceptance.

Our growth and profitability depends in part upon our ability to develop, and successfully introduce, new products and services, or expand upon existing indications, clearances, and approvals, requiring that we invest significant time and resources to obtain new regulatory clearances/approvals, including investment into pre- and post-market clinical studies. Although we believe certain products and services in our portfolio or under development may be effective in a particular application, we cannot be certain until we successfully execute on relevant clinical trials, and the results we obtain from pre- and post-market clinical studies for us to obtain or maintain any required regulatory approvals or clearances.

We are currently seeking regulatory approval for BioGlue in China, where the Chinese regulatory body has made additional requests, and expressed several concerns, related to the application. In February of this year, we filed our supplemental application for approval of BioGlue to the Chinese regulatory authority addressing the numerous additional requests and concerns they have conveyed. We anticipate hearing within the next year as to whether or not we will be granted approval to sell BioGlue within China. If we cannot obtain approval following the review of the updated submission or if the costs to do so are prohibitive, we ultimately may be unable to sell BioGlue in China. Similarly, in November 2023 we announced that we were no longer pursuing a labeling change for our On-X mitral valve in connection with our PROACT Mitral trial due to additional investments that would be required to do so.

As an example of this risk, in September 2022 we halted the PROACT Xa clinical trial based on the recommendation of the trial's Data and Safety Monitoring Board ("DSMB") due to insufficient evidence to support non-inferiority of apixaban to warfarin for valve thrombosis and thromboembolism. The DSMB found that continuing the trial was unlikely to achieve the primary endpoint while possibly exposing patients to increased risk.

Each of our trials, studies, and approvals is subject to the risks outlined herein.

We cannot give assurance that regulatory agencies will clear or approve these products and services or indications, or any new products and services or new indications, on a timely basis, if ever, or that the products and services or new indications will adequately meet the requirements of the market or achieve market acceptance. Pre- and post-market clinical studies may also be delayed or halted due to many factors beyond our control.

If we are unable to successfully complete the development of a product, service, or application, or if we determine for any reason not to complete development or obtain regulatory approval or clearance of any product, service, or application, particularly in instances when we have expended significant capital, this could materially, adversely affect our financial performance. Research and development efforts are time consuming and expensive, and we cannot be certain that these efforts will lead to commercially successful products or services. Halting R&D efforts and clinical trials prematurely may lead to accelerated or unanticipated wind down costs. Even the successful commercialization of a new product or service in the medical industry can be characterized by slow growth and high costs associated with marketing, under-utilized production capacity, and continuing research and development and education costs, among other things. The introduction of new products or services may require significant physician training or years of clinical evidence in order to gain acceptance in the medical community.

# Increased regulatory enforcement activities and private litigation activity relating to processes and materials used in our industry could have a material, adverse impact on us.

Some of our products, including certain On-X products, are sterilized using EtO. Although we have a small-scale EtO facility in Austin, Texas, we rely primarily on third-party large-scale EtO facilities to sterilize our products. In addition, some of our suppliers use, or rely upon third parties to use, EtO to sterilize some of our product components. Concerns about the release of EtO into the environment at unsafe levels have led to increased activism and lobbying as well as various regulatory enforcement activities against EtO facilities, including closures and temporary closures, lawsuits against EtO service providers, and proposals increasing regulations related to EtO, including any required reduction in EtO concentration levels. The number of EtO facilities in the US is limited, and any permanent or temporary closures or disruption to their operations for any reason could delay, impede, or prevent our ability to commercialize our products.

In addition, any litigation, regulatory enforcement, or government regulation regarding the use of EtO could result in financial, legal, business, and reputational harm to us.

The per-and polyfluoroalkyl substances ("PFAS") are used in a wide variety of consumer and industrial products, including medical devices and product packaging. In October 2023, the Environmental Protection Agency released final rules requiring companies to report the manufacture or import of PFAS-containing products. In addition, numerous states have instituted bans on PFAS-containing products and reporting obligations. These requirements impose a high compliance burden, and further regulation of PFAS-containing products is expected. Although we have yet to experience any material impact from this activity or identify any of our products materially impacted by PFAS-related regulation, the ultimate impact and associated cost of current and future rulemaking cannot be predicted at this time.

# We may be subject to fines, penalties, and other sanctions if we are deemed to be promoting the use of our products for unapproved, or off-label, uses.

Our business and future growth depend on the continued use of our products for approved uses. Generally, regulators contend that, unless our products are approved or cleared by a regulatory body for alternative uses, we may not make claims about the safety or effectiveness of our products or promote them for such uses. Such limitations present a risk that law enforcement could allege that the nature and scope of our sales, marketing, or support activities, though designed to comply with all regulatory requirements, constitute unlawful promotion of our products for an unapproved use. We also face the risk that such authorities might pursue enforcement based on past activities that we discontinued or changed. Investigations concerning the promotion of unapproved uses and related issues are typically expensive, disruptive, and burdensome and generate negative publicity. If our promotional activities are found to be in violation of the law, we may face significant fines and penalties and may be required to substantially change our sales, promotion, grant, and educational activities. In addition, we or our officers could be excluded from participation in government healthcare programs such as Medicare and Medicaid.

#### Healthcare policy changes may have a material, adverse effect on us.

In response to perceived increases in healthcare costs in recent years, there have been, and continue to be, proposals by the governmental authorities, thirdparty payors, and elected office holders and candidates to impact public health, control healthcare costs and, more generally, to reform the healthcare systems. Additional uncertainty is anticipated as debates about healthcare and public health continue in light of the COVID-19 pandemic which may have an impact on US law relating to the healthcare industry. Many US healthcare laws, such as the Affordable Care Act, are complex, subject to change particularly during a change in administrations, and dependent on interpretation and enforcement decisions from government agencies with broad discretion. The application of these laws to us, our customers, or the specific services and relationships we have with our customers is not always clear. Our failure to anticipate accurately any changes to, or the repeal or invalidation of all or part of the Affordable Care Act and similar or future laws and regulations, or our failure to comply with them, could create liability for us, result in adverse publicity and negatively affect our business, results of operations, and financial condition.

Further, the growth of our business, results of operations and financial condition rely, in part, on customers in the healthcare industry that receive substantial revenues from governmental and other third-party payer programs. A reduction or less than expected increase in government funding for these programs or a change in reimbursement or allocation methodologies, or a change in reimbursement related to products designated as "breakthrough devices" by the FDA, could negatively affect our customers' businesses and, in turn, negatively impact our business, results of operations and financial condition. Any changes that lower reimbursement for our products or reduce medical procedure volumes, could adversely affect our business and profitability.

#### Legal, Quality, and Regulatory Risks

# As a medical device manufacturer and tissue services provider we are exposed to risk of product liability claims and our existing insurance coverage may be insufficient, or we may be unable to obtain insurance in the future, to cover any resulting liability.

Our products and processed tissues allegedly have caused, and may in the future cause, injury or result in other serious complications that may result in product or other liability claims from our customers or their patients. If our products are defectively designed, manufactured, or labeled, or contain inadequate warnings, defective components, or are misused, or are used contrary to our warnings, instructions, and approved indications, we may become subject to costly litigation that can have unpredictable and sometimes extreme outcomes.

We maintain claims-made insurance policies to mitigate our financial exposure to product and tissue processing liability and securities, claims, among others, that are reported to the insurance carrier while the policy is in effect. These policies do not include coverage for punitive damages. Although we have insurance for product and tissue processing liabilities, securities, property, and general liabilities, if we are unsuccessful in arranging cost-effective acceptable resolutions of claims, it is possible that our insurance program may not be adequate to cover any or all possible claims or losses, including losses arising out of natural disasters or catastrophic circumstances. Any significant claim could result in an increase in our insurance rates or jeopardize our ability to secure coverage on reasonable terms, if at all.

Any securities or product liability/tissue processing claim, even a meritless or unsuccessful one, could be costly to defend, and result in diversion of our management's attention from our business, adverse publicity, withdrawal of clinical trial participants, injury to our reputation, or loss of revenue.

# We are subject to various US and international bribery, anti-kickback, false claims, privacy, transparency, and similar laws, any breach of which could cause a material, adverse effect on our business, financial condition, and profitability.

Our relationships with physicians, hospitals, government officials, healthcare providers, and others are subject to scrutiny under various US and international bribery, anti-kickback, false claims, privacy, transparency, and similar laws, often referred to collectively as "healthcare compliance laws." Healthcare compliance laws are broad, sometimes ambiguous, counterintuitive, complex, and subject to change and changing interpretations. Our global expansion into higher-risk regions and the ongoing wars in Ukraine and Gaza, and the current and future sanctions imposed on Russia and others as a result may exacerbate these risks. See also Part I, Item 1A, "Risk Factors – Business and Economic Risks - We are subject to a variety of risks due to our international operations and continued global expansion." Possible sanctions for violation of these healthcare compliance laws include fines, civil and criminal penalties, exclusion from government healthcare programs, and despite our compliance efforts, we face the risk of an enforcement activity or a finding of a violation of these laws.

We have entered into consulting and product development agreements with healthcare professionals and healthcare organizations, including some who may order our products or make decisions to use them. We have also adopted the AdvaMed Code of Conduct, the MedTech Europe Code of Ethical Business Practice, and the APACMed Code of Ethical Conduct which govern our relationships with healthcare professionals to bolster our compliance with healthcare compliance laws. While our relationships with healthcare professionals, government officials, and organizations are structured to comply with such laws and we conduct training sessions on these laws and codes, it is possible that enforcement authorities may view our relationships as prohibited arrangements that must be restructured or for which we would be subject to other significant civil or criminal penalties or debarment. In any event, any enforcement review of or action against us as a result of such review, regardless of outcome, could be costly and time consuming. Additionally, we cannot predict the impact of any changes in or interpretations of these laws, whether these changes will be retroactive or will have effect on a going-forward basis only.

# The proliferation of new and expanded regulatory regimes like the General Data Protection Regulation and Corporate Sustainability Reporting Directive in the European Union, could adversely affect our business.

An increasing number of federal, state, and foreign laws and regulations are being promulgated to address topics relating to data privacy, sustainability, and artificial intelligence. These regulations some of which can be enforced by private parties or governmental entities, have been or are being promulgated and are constantly evolving. These laws and regulations may include new compliance or disclosure requirements for companies which increases our operating costs and regulations ("GDPR") also include significant penalties for noncompliance. Although our practices, policies, and procedures are intended to comply with relevant laws and regulations, there can be no assurance that regulatory or enforcement authorities will view our arrangements as being in compliance with all applicable laws, or that one or more of our employees or agents will not disregard aspects of our compliance programs. Any resulting government enforcement activities may be costly, result in negative publicity, or subject us to significant penalties.

#### Some of our products and technologies are subject to significant intellectual property risks and uncertainty.

We own trade secrets, patents, patent applications, and licenses relating to our technologies and trademarks and goodwill related to our products and services, which we believe provide us with important competitive advantages. We cannot be certain that we will be able to maintain our trade secrets, that our pending patent applications will issue as patents, or that no one will challenge the validity or enforceability of any intellectual property that we adopt, own, or license. Competitors may independently develop our proprietary technologies or design non-infringing alternatives to patented inventions. We do not control the maintenance, prosecution, enforcement, or strategy for in-licensed intellectual property and as such are dependent in part on the owners of these rights to maintain their viability. Their failure to do so could significantly impair our ability to exploit those technologies. Additionally, our technologies, products, or services could infringe intellectual property rights owned by others, or others could infringe our intellectual property rights.

If we become involved in intellectual property disputes, the costs could be expensive, and if we were to lose or decide to settle, the amounts or effects of the settlement or award by a tribunal could be costly.

#### Risks Relating to Our Indebtedness

#### The agreements governing our indebtedness contain restrictions that limit our flexibility in operating our business.

The agreements currently governing our indebtedness contain, and any instruments governing future indebtedness of ours may contain, covenants that impose significant operating and financial restrictions on us and certain of our subsidiaries, including (subject in each case to certain exceptions) restrictions or prohibitions on our and certain of our subsidiaries' ability to, among other things:

- Incur or guarantee additional debt or create liens on certain assets;
- Pay dividends on or make distributions of our share capital, including repurchasing or redeeming capital stock, or make other restricted payments, including restricted junior payments;
- Enter into agreements that restrict our subsidiaries' ability to pay dividends to us, repay debt owed to us or our subsidiaries, or make loans or advances to us or our other subsidiaries;
- Enter into certain transactions with our affiliates including any transaction or merger or consolidation, liquidation, winding-up, or dissolution; convey, sell, lease, exchange, transfer or otherwise dispose of all or any part of our business, assets or property; or sell, assign, or otherwise dispose of any capital stock of any subsidiary;
- Enter into certain rate swap transactions, basis swaps, credit derivative transactions, and other similar transactions, whether relating to interest rates, commodities, investments, securities, currencies, or any other relevant measure, or transactions of any kind subject to any form of master purchase agreement governed by the International Swaps and Derivatives Association, Inc., any International Foreign Exchange Master Agreement, or any other master agreement;
- Amend, supplement, waive, or otherwise modify our or our subsidiaries' organizational documents in a manner that would be materially adverse to the interests of the lender, or change or amend the terms of documentation regarding junior financing in a manner that would be materially adverse to the interests of the lender;
- Make changes to our and our subsidiaries' fiscal year without notice to the administrative agent;
- Enter into agreements which restrict our ability to incur liens;
- Engage in any line of business substantially different from that in which we are currently engaged; and
- Make certain investments, including strategic acquisitions or joint ventures.

# Our indebtedness could adversely affect our ability to raise additional capital to fund operations and limit our ability to react to changes in the economy or our industry.

Our current and future levels of indebtedness could adversely affect our ability to raise additional capital, limit our operational flexibility, and hinder our ability to react to changes in the economy or our industry. It may also limit our ability to borrow money, require us to dedicate substantial portions of our cash flow to repayment, and restrict our ability to invest in business opportunities. Because most of our borrowings are at a variable rate of interest, we are exposed to interest rate fluctuations.

# We have pledged substantially all of our US assets as collateral under our existing Credit Agreement. If we default on the terms of such credit agreements and the holders of our indebtedness accelerate the repayment of such indebtedness, there can be no assurance that we will have sufficient assets to repay our indebtedness.

A failure to comply with the covenants in our existing Credit Agreement could result in an event of default, which, if not cured or waived, could have a material, adverse effect on our business, financial condition, and profitability. In the event of any such default, the holders of our indebtedness:

- Will not be required to lend any additional amounts to us; and
- Could elect to declare all indebtedness outstanding, together with accrued and unpaid interest and fees, to be due and payable and terminate all commitments to extend further credit, if applicable.

If we are unable to repay those amounts, the holders of our secured indebtedness could proceed against their secured collateral to seek repayment out of proceeds from the sale or liquidation of our assets. If our indebtedness were to be accelerated, there can be no assurance that our assets would be sufficient to repay such indebtedness in full.



#### Risks Relating to Ownership of our Common Stock

#### Our business could be negatively impacted as a result of shareholder activism.

In recent years, shareholder activists have become involved in the governance, strategic direction, and operations of companies. Such involvement with us may disrupt our business and divert the attention of our management, and any perceived uncertainties as to our future direction resulting from such involvement could result in the loss of business opportunities, be exploited by our competitors, cause concern for our current or potential customers, cause significant fluctuations in stock price, or make it more difficult to attract and retain qualified personnel and business partners.

# Our business could be impacted by increased shareholder emphasis on environmental, social, and governance matters or efforts by certain governmental authorities to reduce such emphasis.

Investors and other key stakeholders are increasingly focusing on areas of corporate responsibility, and particularly matters related to environmental, social, and governance ("ESG") factors. Institutional investors have expressed expectations with respect to ESG matters that they use to guide their investment strategies and may, in some cases, choose not to invest in us if they believe our ESG policies are lagging or inadequate. Other stakeholders also have expectations regarding ESG factors, such as employees or potential employees who desire to work for a company that reflects their personal values. These areas of focus are continuing to evolve, as are the criteria that investors assess companies' performance in these areas. Investors are increasingly looking to companies that demonstrate strong ESG and sustainability practices as an indicator of long-term resilience, especially in light of events such as the COVID-19 pandemic. Additionally, some governmental entities, regulators, and industry activist groups, particularly in Europe, are placing an increased emphasis on sustainability including through initiatives like the German Sustainability Code (the ("Deutscher Nachhaltigkeitskodex"), the Global Reporting Initiative, and guidance from agencies like the European Federation of Financial Analyst Societies. Conversely, certain governmental authorities are challenging investors' reliance on ESG factors as, among other things, inconsistent with certain fiduciary duties. Keeping up with and meeting these expectations, sometimes contradictory, may disrupt our business and divert the attention of our management, and we may be unable to make the investments in ESG programs that our competitors with greater financial resources are able to make or we may be challenged by governmental authorities if we choose to make such investments. Failure to meet the expectations of investors, or certain governmental authorities in these areas may damage our reputation, impact employee retention, impact the willingness of our cu

#### We do not anticipate paying any dividends on our common stock for the foreseeable future.

In December 2015 our Board of Directors discontinued dividend payments on our common stock for the foreseeable future. If we do not pay cash dividends, our shareholders may receive a return on their investment in our common stock only through appreciation of shares of our common stock that they own. In addition, restrictions in our credit facility limit our ability to pay future dividends.

#### Provisions of Delaware law and anti-takeover provisions in our organizational documents may discourage or prevent a change of control, even if an acquisition would be beneficial to shareholders, which could affect our share price adversely and prevent attempts by shareholders to remove current management.

Effective January 1, 2022 we reincorporated in Delaware. Our status as a Delaware corporation and the anti-takeover provisions of the Delaware General Corporation Law may discourage, delay, or prevent a change in control by prohibiting us from engaging in a business combination with an interested stockholder for a period of three years after the person becomes an interested stockholder, even if a change of control would be beneficial to our existing stockholders. In addition, the organizational documents adopted in connection with our reincorporation contain provisions that restrict persons who may call shareholder meetings, allow the issuance of blank-check preferred stock without the vote of shareholders, and allow the Board of Directors to fill vacancies and fix the number of directors. These provisions of Delaware law and our articles of incorporation and bylaws could prevent attempts by shareholders to remove current management, prohibit or delay mergers or other changes of control transactions, and discourage attempts by other companies to acquire us, even if such a transaction would be beneficial to our shareholders. The effects of reincorporation in Delaware are detailed in our 2021 Special Proxy Statement and Notice of Special Meeting filed with the SEC on October 7, 2021.



### Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

(c) The Company did not repurchase any of its equity security during the three months ended June 30, 2024.

Under our Credit Facilities, we are prohibited from repurchasing our common stock, except for the repurchase of stock from our employees or directors when tendered in payment of taxes or the exercise price of stock options, upon the satisfaction of certain requirements.

#### Item 3. Defaults Upon Senior Securities.

None.

#### Item 4. Mine Safety Disclosures.

Not applicable.

### Item 5. Other Information.

During the three months ended June 30, 2024 none of our directors or officers (as defined in Rule 16a-1(f) under the Exchange Act) adopted, modified, or terminated the contracts, instructions or written plans for the purchase or sale of the Company's securities during the quarter ended June 30, 2024.



# Item 6. Exhibits.

The exhibit index can be found below.

Exhibit	
Number	Description
<u>3.1</u>	Amended and Restated Delaware Certificate of Incorporation, effective May 15, 2024. (Incorporated herein by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K filed May 16, 2024).
<u>3.2</u>	Amended and Restated Bylaws of Artivion, Inc., effective May 15, 2024, a Delaware Corporation (Incorporated herein by reference to Exhibit 3.2 to the Registrant's Current Report on Form 8-K filed May 17, 2024).
<u>10.1*</u>	First Amendment to Credit and Guaranty Agreement by and among Artivion, Inc., On-X Life Technologies Holdings, Inc., On-X Life Technologies, Inc., and Ascyrus Medical, LLC, as subsidiary guarantors, the lenders from time to time party thereto and Ares Capital Corporation, as administrative agent and collateral agent, dated June 13, 2024.
10.2+*	Amended and Restated Loan Agreement, dated July 1, 2024, by and between Artivion, Inc., as lender, and Endospan Ltd., as borrower.
<u>31.1*</u>	Certification by J. Patrick Mackin pursuant to section 302 of the Sarbanes-Oxley Act of 2002.
<u>31.2*</u>	Certification by Lance A. Berry pursuant to section 302 of the Sarbanes-Oxley Act of 2002.
<u>32**</u>	Certification pursuant to 18 USC. section 1350, as adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002.
101.INS*	XBRL Instance Document
101.SCH*	XBRL Taxonomy Extension Schema Document
101.CAL*	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF*	XBRL Taxonomy Extension Definition Linkbase
101.LAB*	XBRL Taxonomy Extension Label Linkbase Document
101.PRE*	XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File – formatted as Inline XBRL and contained in Exhibit 101

\* Filed herewith.



<sup>\*\*</sup> Furnished herewith.

<sup>†</sup> Indicates management contract or compensatory plan or arrangement.

<sup>+</sup> The Registrant has redacted exhibit provisions or terms that are both not material and would likely cause competitive harm to the Registrant if publicly disclosed.

# SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

### ARTIVION, INC. (Registrant)

/s/ J. PATRICK MACKIN J. PATRICK MACKIN Chairman, President, and Chief Executive Officer (Principal Executive Officer)

August 9, 2024 DATE /s/ LANCE A. BERRY

LANCE A. BERRY Chief Financial Officer and Executive Vice President, Finance (Principal Financial Officer)

# FIRST AMENDMENT

This FIRST AMENDMENT, dated as of June 13, 2024 (this "<u>Amendment Agreement</u>"), to the CREDIT AND GUARANTY AGREEMENT, dated as of January 18, 2024 (the "<u>Credit Agreement</u>"), among ARTIVION, INC., a Delaware corporation (the "<u>Borrower</u>"), the Guarantor Subsidiaries party thereto from time to time, the LENDERS party thereto and ARES CAPITAL CORPORATION, as Administrative Agent (the "<u>Administrative Agent</u>") (capitalized terms used but not defined herein have the meaning provided in the Credit Agreement).

# <u>WITNESSETH</u>

WHEREAS, the Borrower, the Guarantor Subsidiaries, the Administrative Agent and the Lenders party hereto (constituting the Required Lenders and the Required Revolving Lenders) desire to make certain modifications to the Credit Agreement as provided herein.

NOW, THEREFORE, in consideration of the above recitals and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

SECTION 1. <u>Amendment of the Credit Agreement</u>. Effective as of the First Amendment Effective Date (as defined below):

(a) Section 1.1 of the Credit Agreement is amended by adding the following defined term in the appropriate alphabetical order therein:

"First Amendment Effective Date" means June 13, 2024.

(b) Section 6.6 of the Credit Agreement is amended by (a) deleting "and" at the end of clause (aa) thereof, (b) replacing "." at the end of clause (bb) thereof with "; and" and (c) adding a new clause (cc) as follows:

(cc) one or more Investments in Endospan Ltd. by the Borrower in the form of one or more senior secured loans secured on a first priority basis (subject only to non-consensual liens) by substantially all of the assets of Endospan Ltd. and its subsidiaries (provided, that such security interest may (x) exclude up to NIS 500,000 held by Endospan Ltd. in a deposit account and (y) be shared on a pari passu basis with the security interests of the pari passu secured loans existing as of the First Amendment Effective Date and any existing and future accrued interest accrued thereon), in an aggregate principal amount outstanding not to exceed at any time \$25,000,000 and so long as (i) such Investments do not prohibit the grant of a security interest therein or pledge thereof by the Borrower and (ii) the second Investment set forth on Schedule 6.6 is secured on a pari passu basis with such Investments.

SECTION 2. <u>Conditions to Effectiveness of Agreement</u>. The amendment of the Credit Agreement and associated provisions set forth herein shall become effective upon the satisfaction

of the following conditions (the first date upon which such conditions are satisfied or waived, the "First Amendment Effective Date"):

(a) the Administrative Agent shall have received duly executed counterparts of this Amendment Agreement from (a) the Borrower, (b) one or more Lenders that constitute Required Lenders and Required Revolving Lenders, (c) the Guarantor Subsidiaries and (d) the Administrative Agent; and

(b) all fees and out-of-pocket expenses required to be paid pursuant to the terms of the Credit Agreement on the First Amendment Effective Date shall have been paid.

SECTION 3. <u>Representations and Warranties</u>. The Borrower hereby represents and warrants to the Administrative Agent and each Lender on the First Amendment Effective Date that:

(a) This Amendment Agreement has been duly authorized, executed and delivered by the Borrower and constitutes a legal, valid and binding obligation of the Borrower, enforceable against the Borrower in accordance with its terms, subject to applicable bankruptcy, insolvency, reorganization, moratorium or other laws affecting creditors' rights generally and subject to general principles of equity, regardless of whether considered in a proceeding in equity or at law.

(b) The representations and warranties contained in the Credit Documents are true and correct in all material respects (except for those representations and warranties that are conditioned by materiality, which are true and correct in all respects) on and as of the First Amendment Effective Date to the same extent as though made on and as of that date, except to the extent such representations and warranties specifically relate to an earlier date, in which case such representations and warranties are true and correct in all material respects (except for those representations and warranties that are conditioned by materiality, which are true and correct in all material respects (except for those representations and warranties that are conditioned by materiality, which are true and correct in all respects) on and as of such earlier date.

(c) No Default or Event of Default has occurred and is continuing or would result from this Amendment Agreement.

SECTION 4. <u>Effects on Credit Documents; No Novation</u>. (a) Except as expressly set forth herein, this Amendment Agreement shall not alter, modify, amend or in any way affect any of the terms, conditions, obligations, covenants or agreements contained in the Credit Agreement or any other Credit Document, all of which shall continue to be in full force and effect and are hereby in all respects ratified and confirmed.

(d) The execution, delivery and effectiveness of this Amendment Agreement shall not operate as a waiver of any right, power or remedy of any Lender or the Administrative Agent under any of the Credit Documents, nor constitute a waiver of any provision of the Credit Documents or in any way limit, impair or otherwise affect the rights and remedies of the Administrative Agent or the Lenders under the Credit Documents, in each case except as expressly provided herein. Nothing herein shall be deemed to entitle the Borrower or any Guarantor Subsidiary to a consent to, or a waiver, amendment, modification or other change of,

any of the terms, conditions, obligations, covenants or agreements contained in the Credit Agreement or any other Credit Document in similar or different circumstances.

(e) On and after the First Amendment Effective Date, each reference in the Credit Agreement to "this Agreement", "hereof", "herein" or words of like import, and each reference to the "Credit Agreement", "thereunder", "thereof", "thereof", "therein" or words of like import (in each case, if referring to the Credit Agreement) in any other Credit Document, shall be deemed a reference to the Credit Agreement. The Borrower and the other parties hereto acknowledge and agree that this Amendment Agreement shall constitute a Credit Document for all purposes of the Credit Agreement and the other Credit Documents.

(f) This Amendment Agreement shall not extinguish the obligations for the payment of money outstanding under the Credit Agreement or discharge or release any security therefor or any guarantee thereof. Nothing herein contained shall be construed as a substitution or novation of the Obligations outstanding under the Credit Document, which shall remain in full force and effect, except as modified hereby. Except as amended or otherwise modified hereby, the Credit Agreement and the other Loan Documents shall remain in full force and effect and are hereby ratified and confirmed in all respects and the Borrower and each other Loan Party hereby reaffirms the Obligations and any and all guarantees, security interests and Liens it has granted (or made) to secure the Obligations. Each such Obligation, guarantee, security interest and Lien is reaffirmed and, in each case, as amended pursuant to this Amendment Agreement, shall remain and continue in full force and effect in accordance with its terms and shall include and extend to any new obligations assumed by any Loan Party under the Loan Documents.

SECTION 5. <u>APPLICABLE LAW, CONSENT TO JURISDICTION, WAIVER OF JURY TRIAL</u>. THE PROVISIONS OF SECTIONS 10.14, 10.15 AND 10.16 OF THE CREDIT AGREEMENT ARE HEREBY INCORPORATED BY REFERENCE HEREIN, *MUTATIS MUTANDIS*.

SECTION 6. <u>Counterparts</u>. This Amendment Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Amendment Agreement by facsimile transmission or other electronic imaging shall be effective as delivery of a manually executed counterpart of this Amendment Agreement.

SECTION 7. Notices. All notices, requests and demands to or upon the respective parties hereto shall be given in the manner, and become effective, as set forth in Section 10.01 of the Amended Credit Agreement.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the parties hereto have caused this Amendment Agreement to be duly executed and delivered by their respective proper and duly authorized officers as of the day and year first above written.

### **BORROWER:**

ARTIVION, INC. By: /s/ James P. Mackin Name: J. Patrick Mackin Title: Chairman, President, and

CEO

# **GUARANTOR SUBSIDIARIES:**

ON-X LIFE TECHNOLOGIES HOLDINGS, INC.

ON-X LIFE TECHNOLOGIES, INC.

ASCYRUS MEDICAL, LLC By:

/s/ Jean F. Holloway

Name: Jean F. Holloway Title: Secretary

# ARES CAPITAL CORPORATION, as

the Administrative Agent

- By: /s/ Joshua Bloomstein
  - Name:Joshua BloomsteinTitle:Authorized Signatory

# ARES CAPITAL CORPORATION, as a Lender

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# CION ARES DIVERSIFIED CREDIT FUND, as a Lender

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

By:

By:

### ARES STRATEGIC INCOME FUND, as a Lender

/s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

ASIF FUNDING I, LLC, as a Lender

/s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

# ARES CENTRE STREET PARTNERSHIP, L.P., as a Lender

# By: Ares Centre Street GP, Inc., as general partner

By: /s/ Joshua Bloomstein

Name:Joshua BloomsteinTitle:Authorized Signatory

# ARES JASPER FUND, L.P., as a Lender

By: Ares Capital Management LLC, its investment manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory ARES ND CREDIT STRATEGIES FUND LLC, as a Lender

By: Ares Capital Management LLC, its account manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein

Title: Authorized Signatory

ARES ND CSF HOLDINGS LLC, as a Lender

By: Ares Capital Management LLC, as Collateral Manager

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

ARES CREDIT STRATEGIES INSURANCE DEDICATED FUND SERIES INTERESTS OF THE SALI MULTI-SERIES FUND, L.P., as a Lender

By: Ares Management LLC, its Investment Manager By: Ares Capital Management LLC, as sub-advisor

By: /s/ Joshua Bloomstein

Name:Joshua BloomsteinTitle:Authorized Signatory

ARES SENIOR DIRECT LENDING MASTER FUND II DESIGNATED ACTIVITY COMPANY, as a Lender

By: Ares SDL Capital Management LLC, its Manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# ARES SENIOR DIRECT LENDING PARALLEL FUND (L) II, L.P., as a Lender

By: Ares SDL Capital Management LLC, its Manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein

Title: Authorized Signatory

ARES SENIOR DIRECT LENDING PARALLEL FUND (U) II, L.P., as a Lender

By: Ares SDL Capital Management LLC, its Manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

### SDL II CREDIT D1 LP, as a Lender

By: Ares SDL Capital Management LLC, its servicer By: /s/ Joshua Bloomstein

Name:Joshua BloomsteinTitle:Authorized Signatory

### SDL II CREDIT D2 LP, as a Lender

By: Ares SDL Capital Management LLC, its servicer

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# ARES SENIOR CREDIT MASTER FUND (U) III LP, as a Lender

By: Ares SDL Capital Management LLC, its Manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# ARES SENIOR CREDIT MASTER FUND III LP, as a Lender

By: Ares SDL Capital Management LLC, its Manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein

Title: Authorized Signatory

ARES SFERS CREDIT STRATEGIES FUND LLC, as a Lender

By: Ares Capital Management LLC, its Account Manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# ARES SFERS HOLDINGS LLC, as a Lender

By: Ares Capital Management LLC, its servicer By: /s/ Joshua Bloomstein Name: Joshua Bloomstein

Title: Authorized Signatory

# CHIMNEY TOPS LOAN FUND, LLC, as a Lender

By: Ares Capital Management LLC, its Account Manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

ARES SENIOR CREDIT INVESTMENT PARTNERSHIP (CP) L.P., as a Lender

By: Ares SDL Capital Management LLC, its Manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

### PRIVATE CREDIT FUND O, LLC, as a Lender

By: Ares Capital Management LLC, its account manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# PRIVATE CREDIT FUND O FINANCE LLC, as a Lender

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

# ACME PRIVATE CREDIT FUND LP, as a Lender

- By: Ares Capital Management LLC, its manager By: /s/ Joshua Bloomstein
  - Name: Joshua Bloomstein Title: Authorized Signatory

# PRIVATE CREDIT FUND C-1 HOLDCO, LLC – SERIES 1, as a Lender

By: Ares Capital Management LLC, its Asset Manager By: /s/ Joshua Bloomstein

> Name: Joshua Bloomstein Title: Authorized Signatory

# PRIVATE CREDIT FUND C-1 SPV 2, LLC, as a Lender

By: Ares Capital Management LLC, its manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# ARES CREDIT INVESTMENT PARTNERSHIP III C LP, as a Lender

By: Ares SDL Capital Management LLC, its Manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

#### ASH HOLDINGS II (U), L.P., as a Lender

By: Ares Capital Management LLC, its Manager By: /s/ Joshua Bloomstein Name: Joshua Bloomstein

Title: Authorized Signatory

# ARES COMMERCIAL FINANCE LP, as a Lender

By: Ares Commercial Finance Management LP, its Manager

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

## ACF FINCO II LLC, as a Lender

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

# ARES DIRECT FINANCE I LP, as a Lender

By: Ares Capital Management LLC, its investment manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# ADF I HOLDINGS LLC, as a Lender

By: Ares Capital Management LLC, as servicer

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

AO MIDDLE MARKET CREDIT L.P., as a Lender

By: OCM Middle Market Credit G.P. Inc., its general partner

By:\_\_\_ Name: Title:

AO MIDDLE MARKET CREDIT FINANCING L.P., as a Lender

By: AO Middle Market Credit Financing GP Ltd., its general partner

By:\_\_\_ Name: Title:

FEDERAL INSURANCE COMPANY, as a Lender

By: Ares Capital Management LLC, its investment manager

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory NATIONWIDE LIFE INSURANCE COMPANY, as a Lender

# By: Ares Capital Management LLC, its manager

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

# NATIONWIDE MUTUAL INSURANCE COMPANY, as a Lender

By: Ares Capital Management LLC, its manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

#### BOWHEAD IMC LP, as a Lender

By: Ares Capital Management LLC, its manager

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

# AN CREDIT STRATEGIES FUND, L.P., as a Lender

By: Ares Capital Management LLC, its investment manager

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

# SWISS REINSURANCE AMERICA CORPORATION, as a Lender

By: Ares Capital Management LLC, its portfolio manager By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

### AJ MIDDLE MARKET CREDIT LP, as a Lender

By: Ares Capital Management LLC, as asset manager By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

## AG CREDIT STRATEGIES FUND, as a Lender

By: Ares Capital Management LLC, its investment manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

ARCC FB FUNDING LLC, as a Lender

By: /s/ Joshua Bloomstein

Name:Joshua BloomsteinTitle:Authorized Signatory

## ARES CSIDF HOLDINGS, LLC, as a Lender

By: Ares Capital Management LLC, as servicer

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory ARES SENIOR CREDIT INVESTMENT PARTNERSHIP (CP) FINANCE LLC, as a Lender

By: Ares Senior Credit Investment Partnership (CP) LP, its sole member By: Ares SDL Capital Management LLC, its manager

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

# ARES SENIOR CREDIT MASTER FUND III LP, as a Lender

By: Ares SDL Capital Management LLC, its manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein

Title: Authorized Signatory

# CADEX CREDIT FINANCING, LLC, as a Lender

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# IVY HILL REVOLVER FUNDING II LP, as a Lender

By: Ivy Hill Asset Management, L.P., its manager

By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

PRIVATE CREDIT FUND C-1 SPV 1, LLC, as a Lender

By: A	res Capi	tal Management LLC, its manager	
By:	/s/ Joshua Bloomstein		
	Name:	Joshua Bloomstein	

Title: Authorized Signatory

### SA REAL ASSETS 20 LIMITED, as a Lender

- By: Ares Management LLC, its manager By: Ares Capital Management LLC, as sub-adviser
- By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

SDL III CREDIT A LP, as a Lender By: Ares SDL Capital Management LLC, its servicer

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein

Title: Authorized Signatory

# SDL III CREDIT B LP, as a Lender

By: Ares SDL Capital Management LLC, its servicer

By: /s/ Joshua Bloomstein Name: Joshua Bloomstein Title: Authorized Signatory

## SDL III CREDIT C LP, as a Lender

By: Ares SDL Capital Management LLC, its servicer

By: /s/ Joshua Bloomstein

Name:Joshua BloomsteinTitle:Authorized Signatory

SDL III CREDIT D LP, as a Lender By: Ares SDL Capital Management LLC, its servicer By: /s/ Joshua Bloomstein

Name: Joshua Bloomstein Title: Authorized Signatory

# AO MIDDLE MARKET CREDIT FINANCING L.P., By: AO Middle Market Credit Financing GP Ltd., its general partner By: /s/ K. Patel

y:	/s/ K. Patel		
	Name:	K. Patel	
	Title:	Director	

By: /s/ Jeremy Ehrlich

Name: Jeremy Erlich Title: Director

# AO MIDDLE MARKET CREDIT L.P., as a Lender

by its general partner, OCM Middle Market Credit G.P. Inc.

By: /s/ K. Patel

Name: K. Patel Title: Director

By: /s/ Jeremy Ehrlich

Name: Jeremy Erlich Title: Director

# BELUGA IMC LIMITED PARTNERSHIP, as a Lender

By: Beluga IMC Trustee Inc., as general partner

By: /s/ Kenton Freitag Name: Kenton Freitag Title: President

# SPV FACILITY I LLC, as a Lender

By: <u>/s/ Ariel Goldblatt</u> Name: Ariel Goldblatt Title: Authorized Signatory

# CLIFFWATER ENHANCED LENDING FUND, as a Lender

By: /s/ Stephen Nesbitt Name: Stephen Nesbitt Title: President

#### CERTAIN INFORMATION HAS BEEN OMITTED OR REDACTED FROM THE VERSION OF THIS EXHIBIT FILED WITH THE SECURITIES AND EXCHANGE COMMISSION TO PROTECT PERSONAL PRIVACY

#### **Amended and Restated Loan Agreement**

This Amended and Restated Loan Agreement (the "**Agreement**") is made and entered into as of the 1<sup>st</sup> day of July, 2024 (the "**Effective Date**"), by and between Artivion, Inc., a Delaware corporation formerly known as CryoLife, Inc. (the "Lender"); and Endospan Ltd., an Israeli private limited liability company, registered number 514172931 (the "**Borrower**"). This Agreement amends, restates, and supersedes that certain Loan Agreement entered into by and between the Lender and the Borrower dated as of September 11, 2019 (the "**Original Loan Agreement**").

- Whereas, the Borrower is engaged in the research, development, manufacture, marketing and sale of products known as the NEXUS® Aortic Arch Stent Graft System (the "**Product**") and requires funding to finance its efforts to continue to commercialize the Product and obtain approval from the U.S. Food and Drug Administration (the "**FDA**") of the Product as a medical device indicated for the endovascular treatment of thoracic aortic diseases involving the aortic arch with proximal landing zone in the ascending aorta (Zone 0) and the Brachiocephalic artery or for other indications ("**FDA Approval**");
- Whereas, the Borrower and the Lender previously entered into the Original Loan Agreement, pursuant to which the Lender has provided loans to the Borrower in the principal amount of USD fifteen million (\$15,000,000) (together with accrued interest, the "Original Loans"), to be used primarily for the purpose of obtaining FDA Approval and for working capital needs for purposes of commercialising the Product within the territory described in Exhibit B to the Distribution Agreement (defined below);
- Whereas, the Borrower and the Lender also previously entered into a Debenture dated as of September 11, 2019 (as amended from time to time, the "Original Debenture"), which provided Lender a fixed and floating charge and security interest over all of the Borrower's right, title and interest in and to the Collateral (as defined in the Original Debenture);
- Whereas, the Borrower and the Lender are entering into this Agreement to amend, restate, and supersede the Original Loan Agreement and to provide for additional loans in the aggregate principal amount of up to USD twenty-five million (\$25,000,000) (the "Additional Loans"), subject to the terms of this Agreement and secured pursuant to the Additional Debenture, as defined below;
- Whereas, as additional security for Borrower's obligations to repay the Original Loans and the Additional Loans, the Borrower and Lender are on or about the date hereof entering into an additional Debenture (the "Additional Debenture" and, together with the Original Debenture, the "Debentures") provided Lender a fixed and floating charge and security interest over all of the Borrower's right, title and interest in and to the Collateral (as defined in the Additional Debenture) (the "Lender Security Interest");
- Whereas, concurrently herewith, the Securities Purchase Option Agreement entered into by and among the Lender, the Borrower and the Securityholders dated as of September 11, 2019 (as amended from time to time, including as amended contemporaneously herewith, the "SPA") is being amended as a further incentive for Lender to provide the Additional Loans (the "SPA Amendment"); and
- Whereas, subject to the Borrower and the securityholders thereof entering into the SPA Amendment, the Lender agrees to provide the Borrower the Additional Loans, all subject to the terms and conditions in this Agreement.

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Now, Therefore, the Lender and the Borrower (each a "Party" and collectively the "Parties") hereby agree as follows:

### 1. <u>Interpretation</u>

- 1.1. The preamble and exhibits to this Agreement constitute an integral part hereof.
- 1.2. Section headings and references to headings are intended solely for convenience purposes and are to be disregarded in construing this Agreement.
- 1.3. Any capitalized terms otherwise not defined in this Agreement shall have the meaning ascribed thereto in the SPA.
- 1.4. References to "**Distribution Agreement**" in this Agreement shall refer to that certain Distribution Agreement entered into between Borrower and JOTEC GmbH, which is an affiliate of Lender, dated September 11, 2019 (as may be amended from time to time), and references to "**Distributor**" shall refer to JOTEC GmbH or its permitted assignee under the Distribution Agreement.

## 2. <u>The Loans</u>

- 2.1. The Lender has provided Borrower the Original Loans.
- 2.2. The Lender shall provide the Additional Loans to the Borrower in three tranches (each, a "**Tranche**") as follows (in each case subject to the conditions precedent set forth in Section 5):
  - 2.2.1. the first Tranche in the amount of USD seven million (\$7,000,000) shall be provided by the Lender to the Borrower as soon as practicable after the conditions set forth in Section 5 below have been fulfilled;
  - 2.2.2. the second Tranche in the amount of USD ten million (\$10,000,000) shall be provided by the Lender to the Borrower within 14 Business Days of the later of (i) receipt of a written notice sent by the Borrower to the Lender that Borrower has achieved full Clinical Trial Enrolment; or (ii) such time as the conditions set forth in Section 5 below have been fulfilled; and
  - 2.2.3. the third Tranche in the amount of USD eight million (\$8,000,000) shall be provided by the Lender to the Borrower within the later of (i) 14 Business Days of receipt of a written notice sent by the Borrower to the Lender that the Borrower has completed the Clinical Trial One Year Follow-Up; or (ii) such time as the conditions set forth in Section 5 below have been fulfilled (the principal amount of each such Tranche, together with the principal amount of the Original Loan, collectively, the "**Principal Amount**").

Notwithstanding the foregoing, if there is an event, development or circumstance occurring or in existence that has resulted in, or could reasonably be expected to have, a Company Material Adverse Effect, the Lender shall have an additional 30 days from receipt of written notice from the Borrower under Sections 2.2.2 or 2.2.3 to determine whether the condition under Section 5.2.2 has been satisfied and may delay funding on any Tranche during such 30-day period.

For the purpose of this Agreement:

"Clinical Trial Enrolment" means the Borrower's completion of enrolment of all required patients, as set forth in the applicable clinical trial protocol, in the FDA-approved clinical trial for the Product.

"Clinical Trial One Year Follow-Up" means the Borrower's completion of a one-year follow-up with all patients in the FDAapproved clinical trial for the Product.

- 2.3. The Lender shall make available to the Borrower each Tranche by way of wire transfer to the Borrower's bank account as detailed in **Exhibit A**.
- 2.4. In the event the Distribution Agreement is terminated pursuant to circumstances giving rise to the Termination Fee (as defined in the Distribution Agreement, the "**Termination Fee**"), the Principal

Amount under this Agreement shall automatically be increased by an amount equal to the unpaid portion of the Termination Fee.

2.5. The outstanding Principal Amount shall bear simple interest at a rate equal to 5% per annum commencing on the date of receipt of the Original Loan or the applicable Tranche, as applicable, and until the earlier of full repayment thereof or Cancellation (as defined below) thereof, in accordance with the terms hereof (the "Interest"). The Interest shall be computed on the basis of a 360-day year, comprised of twelve months counting 30 days each. For periods of indebtedness of less than one month the Interest shall be calculated *pro rata* to the actual number of days of the month then elapsed.

#### 3. <u>Repayment & Cancellation</u>

- 3.1. In the event the Acquisition is consummated, (a) simultaneous with the closing of the Acquisition, the Borrower shall pay to the Lender any and all unpaid Interest accrued on the then-outstanding Principal Amount (which, for the sake of clarity, shall not impact the calculation of the Closing Consideration since the Closing Consideration is already reduced by the Buyer's Portion), and (b) the then-outstanding Principal Amount, any unpaid Interest thereon and all other obligations owing under the Loan Documents (collectively the "Loan Amount") shall be due and repaid by the Borrower to the Lender on the first anniversary of the closing of the Acquisition (the "Maturity Date").
- 3.2. In the event the Acquisition is not consummated, but Borrower consummates a Change of Control providing for an enterprise value of Borrower of at least US\$50,000,000 (a "Qualified Transaction"), then the Additional Loans and Interest on the Additional Loans shall become immediately due and payable upon the consummation of such Qualified Transaction (the "Alternative Maturity Date").

"Change of Control" means the consummation, in a single transaction or in a series of related transactions, of any one or more of the following events: (i) any person or entity becomes the owner, directly or indirectly, of stock of Borrower representing more than fifty percent (50%) of the combined voting power of the Borrower's then outstanding stock other than by virtue of a stock sale, merger, consolidation or similar transaction, (ii) there is consummated a merger, consolidation or similar transaction involving (directly or indirectly) Borrower and, immediately after the consummation of such merger, consolidation or similar transaction, the stockholders of Borrower immediately prior thereto do not own, directly or indirectly, either (A) outstanding voting stock representing more than fifty percent (50%) of the combined outstanding voting power of the surviving entity in such merger, consolidation or similar transaction, or (B) more than fifty percent (50%) of the combined outstanding voting power of the surviving power of the parent of the surviving entity in such merger, consolidation or similar transaction, in each case in substantially the same proportions as their ownership of the outstanding voting stock of Borrower immediately prior to such transaction, or (iii) there is consummated a sale, lease, exclusive license or other disposition of all or substantially all of the consolidated assets of Borrower and its subsidiaries, other than a sale, lease, license or other disposition of all or substantially all of the voting stock of which are owned by stockholders of Borrower in substantially the same proportions as their ownership of Borrower in substantially the same proportions as their ownership of the outstanding voting stock of Borrower and its subsidiaries to a person or entity, more than fifty percent (50%) of the combined voting power of the voting stock of Borrower immediately prior to such the outstanding voting stock of Borrower in substantially the same proportions as their ownership of the out

3.3. In the event that (i) the Lender does not deliver to the Borrower an Exercise Notice during the Option Period, or (ii) the Acquisition can otherwise no longer be consummated under the terms of the SPA, then Borrower's obligation to repay the Original Loan and Interest on the Original Loan shall be cancelled, deemed fully discharged, and the Borrower shall not have any further duties or obligations with respect to the repayment of the Original Loan and Interest on the Original Loan to the Lender (the "**Cancellation**"); *provided further*, that the Cancellation shall not occur if there is an Event of Default then in existence; and *provided, further*, that (a) it being clarified that the Additional Loans, Interest on the Additional Loans, and all other obligations owing under the Loan



Documents relating to the Additional Loan shall not be subject to the Cancellation and instead shall be due and payable upon the Long Maturity Date or Alternative Maturity Date, as applicable, and (b) in the event that the Principal Amount is increased pursuant to Section 2.4 to include the unpaid portion of the Termination Fee, the portion of the Principal Amount attributable to the unpaid Termination Fee shall not be subject to the Cancellation and instead shall be due and payable on the date determined pursuant to the Distribution Agreement (it being clarified that upon payment of the Termination Fee pursuant to the Distribution Agreement, such amount shall be excluded from the Loan Amount hereunder).

- 3.4. In the event neither the Acquisition nor a Qualified Transaction are consummated by December 31, 2027, the Additional Loans and Interest on the Additional Loans shall become immediately due and payable as of December 31, 2027 (the "Long Maturity Date"). For the avoidance of doubt, the principal and accrued Interest on the Original Loan shall not become due and payable on the Long Maturity Date pursuant to this Section 3.4.
- 3.5. For the avoidance of doubt, upon Borrower's payment of the Termination Fee or all portions thereof that are due pursuant to the Distribution Agreement and that have been added to the Principal Amount pursuant to Section 2.4 of this Agreement, such added amounts shall be deducted from the Principal Amount and shall no longer be recoverable from Borrower by Lender.
- 3.6. Except as required in Sections 3.1 or 3.2 above, or Section 8.1 below, the Borrower shall not be entitled or obligated to prepay the Principal Amount or accrued Interest (in whole or in part) at any time prior to the Maturity Date, Alternative Maturity Date, or Long Maturity Date, as applicable; *provided, however*, that, if Borrower prepays any portion of the JLL Loan (as defined below) (which shall not be prepaid in whole or in part without Lender's consent), then Borrower shall provide a corresponding prepayment of the Loan Amount to Lender that is on a pro rata basis with the prepayment made on the JLL Loan, based on the prepayment made to JLL and the relative loan amounts then outstanding; *provided further*, that such pro rata prepayment of the Principal Amount or accrued Interest shall not be required in connection with a prepayment of the JLL Loan upon consummation of the Acquisition. In the event of any such prepayment, amounts prepaid shall be first applied to the Interest and Principal Amount of the Additional Loans.
- 3.7. Any payments to be made by the Borrower to the Lender hereunder shall be paid by way of a wire transfer to the Lender's bank account in US dollars.
- 3.8. The Borrower shall pay any and all amounts due hereunder without setoff, deduction, counterclaim or defense of any kind.

#### 4. <u>Security</u>

The Borrower previously granted Lender the Lender Security Interest in order to secure the observance and performance of all the Borrower's obligations under the Original Loan Agreement, and such Lender Security Interest is hereby continued as security for Borrower's observance and performance of Borrower's obligations under this Agreement; *provided, however* that, the Lender Security Interest shall rank *pari passu* and be on parity with that certain security interest in favour of Japan Lifeline Co., Ltd ("JLL") arising in connection with the loan provided under that certain Loan Agreement by and between the Borrower and JLL, dated October 24, 2018 (the "JLL Loan"), and the Loan Documents (as defined in the Loan Documents), including the Security Agreement" and the "JLL Security Interest" as applicable) (collectively, such loan documents are referred to as the "JLL Loan Documents"). The respective rights of JLL and the Lender in the Collateral (as defined in the Debentures) shall be subject to the Intercreditor Agreement being entered into contemporaneously herewith between JLL and the Lender. For the avoidance of doubt, Borrower agrees that (i) the Lender Security Interest shall rank *pari passu* with the JLL Security Interest and Borrower's payment obligations to JLL solely with respect to a maximum principal amount of up \$10,000,000.00 and only with respect to collateral subject to the JLL Security Interest (such limitations, the "Senior Cap"), but senior to the JLL Security Interest with respect to any amounts loaned under the JLL Loan Documents in excess

of the Senior Cap, and (ii) the Collateral shall exclude up to NIS 250,000 held by Borrower in a deposit account subject to that certain registered first ranking fixed charge and a first ranking floating charge, dated as of June 18, 2024, in favor of Mizrahi-Tefahot Bank Ltd. (the "**Mizrahi-Tefahot Lien**"). As to all other Collateral (as defined in the Debentures), the Lender Security Interest shall be a first priority lien.

#### 5. <u>Conditions Precedent</u>

- 5.1. The effectiveness of this Agreement shall be subject to the fulfilment of the following conditions:
  - 5.1.1. The Borrower shall have executed and delivered to the Lender the Additional Debenture in the form attached hereto as **Exhibit B**.
  - 5.1.2. The Lender, Borrower, and JLL shall have executed an Intercreditor Priority Agreement, substantially in the form and substance acceptable to Lender (the "Intercreditor Agreement").
  - 5.1.3. The Borrower shall have caused its U.S. subsidiary, Endospan, Inc., to execute and deliver a Guaranty to Lender in form and substance acceptable to Lender.
  - 5.1.4. The Borrower shall have caused Endospan, Inc. to execute and deliver a Security Agreement to Lender in form and substance acceptable to Lender.
  - 5.1.5. The Borrower and JLL shall have executed an amendment to the JLL Loan Documents in form and substance satisfactory to the Lender, in its sole discretion, providing for, among other things, an extension of the maturity of the JLL Loan to December 31, 2027.
  - 5.1.6. The Borrower shall have delivered to the Lender a copy of the executed filings and exhibits thereto documenting the registration of the Lender Security Interest and Additional Debenture with the Israeli Companies Registrar.
- 5.2. The obligation of the Lender to provide any Tranche shall be subject to the fulfilment of the following conditions:
  - 5.2.1. At the time of and immediately after giving effect to the provision of such Tranche, no Default shall have occurred and be continuing. As used in this Agreement, the term "**Default**" means any event or condition which constitutes an Event of Default or which upon notice, lapse of time or both would, unless cured or waived, become an Event of Default.
  - 5.2.2. At the time of and immediately after giving effect to the provision of such Tranche, the Borrower has not caused an event, development or circumstance to occur or exist that has resulted in, or could reasonably be expected to have, a Company Material Adverse Effect.
  - 5.2.3. The representations and warranties of the Borrower set forth in this Agreement and in the other Loan Documents shall be true and correct on and as of the date of the provision of such Tranche, except to the extent any such representations and warranties are expressly limited to an earlier date, in which case, on and as of the date of the provision of such Tranche, such representations and warranties shall continue to be true and correct as of such specified earlier date. As used in this Agreement, the term "Loan Documents" means this Agreement, the Original Debenture, the Additional Debenture, and all other instruments and documents heretofore or hereafter executed or delivered to or in favour of the Lender in connection herewith and the transactions contemplated by this Agreement.
  - 5.2.4. The provision of such Tranche would not conflict with, or cause the Lender to violate or exceed, any applicable governmental requirement, and no litigation shall be pending or threatened, which does or, with respect to any threatened litigation, seeks to, enjoin, prohibit or restrain, the provision of such Tranche or the consummation of the transactions contemplated by this Agreement or any other Loan Document.

- 5.2.5. The receipt by the Lender of a budget, in form and substance reasonably satisfactory to the Lender, detailing the anticipated use of proceeds of such Tranche, which use of proceeds shall comply with Section 7.1.
- 5.2.6. The receipt by the Lender of a borrowing request not less than ten (10) Business Days prior to the requested funding date executed by the chief executive officer of the Borrower unconditionally certifying as to the matters set forth in this Section 5.2.
- 5.2.7. The Agreement has not been terminated.

#### 6. <u>Representations and Warranties of the Borrower</u>

- 6.1. The Borrower hereby represents and warrants to the Lender, that on the Effective Date, as follows:
  - 6.1.1. The Borrower is duly organized and in good standing under the laws of the State of Israel and has the power to own its properties and to carry on its business as now conducted and as proposed to be conducted.
  - 6.1.2. The execution and performance by the Borrower of this Agreement and the other Loan Documents (a) are within the Borrower's power and authority, (b) have been duly authorized by all necessary corporate approvals and requirements of the Borrower, and (c) do not or will not, conflict with or breach or constitute default of any agreement, contract or other instrument to which the Borrower is party, or any law, regulation, order, judgment, writ, injunction, license or permit, applicable to the Borrower.
  - 6.1.3. The execution by the Borrower of this Agreement and the other Loan Documents will result in valid and legally binding obligations of the Borrower, enforceable against the Borrower in accordance with the terms and provisions hereof and thereof. No third-party consents or authorizations are required on the part of the Borrower in connection with the consummation of the transactions contemplated by this Agreement or the other Loan Documents or its obligations hereunder or thereunder, save for the JLL Consent.
  - 6.1.4. The Collateral is free and clear from any restrictions, covenants, mortgages, pledges, liens, encumbrances, attachments, assignments, title retentions or other third-party rights or security interests (an "**Encumbrance**"), other than the JLL Security Interest up to the Senior Cap.
  - 6.1.5. The Borrower does not have any debts or liabilities beyond its ability to pay as they become due, and the Borrower has not and is not contemplating filing for bankruptcy, liquidation, insolvency or for relief under the provisions of any applicable insolvency laws, nor is the Borrower in any situation that would reasonably cause it to file for bankruptcy, liquidation, insolvency or relief under any applicable insolvency laws. No liquidator or receiver has been appointed on behalf of, or for, the Borrower.

## 7. <u>Covenants</u>

- 7.1. The Borrower shall use the Principal Amount primarily for purpose of obtaining the FDA Approval and for working capital needs for purposes of commercializing the NEXUS® Aortic Arch Stent Graft System and NEXUS DUO® within the Territory described in Exhibit B to the Distribution Agreement.
- 7.2. Prior to the full repayment of the Loan Amount or Cancellation (as applicable) and for as long as any amount is outstanding and owed by the Borrower to the Lender hereunder, the Borrower shall maintain sufficient insurance coverage and shall not, without the prior written consent of the Lender:
  - 7.2.1. Except as permitted under the Debentures, transfer, sell, assign, gift or grant a license with respect of, any of the Collateral; provided, however, that as long as no Event of
    - 6

Default has occurred, Borrower will be permitted to sell, lease, or grant non-exclusive licenses of such assets in the ordinary course of business of Borrower; or

- 7.2.2. except for the JLL Security Interest, the lien on up to NIS 250,000 in the deposit account subject to the Mizrahi-Tefahot Lien, and as set forth in the Debentures, create, register, assume or permit to subsist any Encumbrance over the Collateral; or
- 7.2.3. except for the accrual of additional interest pursuant to the terms of the JLL Loan as in place on the Effective Date, incur any additional indebtedness from JLL unless such indebtedness is subordinated to Borrower's obligations to Artivion arising under the Loan Documents; or
- 7.2.4. except for the repayment of the existing JLL Loan from JLL in accordance with the terms of the Intercreditor Agreement, repay any loans or debts, other than in the ordinary course of business; or
- 7.2.5. make or pay any distribution or dividend to its shareholders; or
- 7.2.6. take any action prohibited under, or fail to take any action required under, Section 9.1 ("Preservation of Business") or Section 9.2 ("Exclusivity") of the SPA.
- 7.3. The Borrower will furnish to the Lender:
  - 7.3.1. As soon as available, but in any event not later than one hundred and twenty (120) days after the end of each fiscal year of the Borrower, its audited consolidated balance sheet and related statements of operations, stockholders' equity and cash flows as of the end of and for such year, setting forth in each case in comparative form the figures for the previous fiscal year, audited and certified by an independent public accounting firm which is one of the "big four" Israeli accounting firms to the effect that such consolidated financial statements present fairly in all material respects the financial condition and results of operations of the Borrower and its consolidated subsidiaries on a consolidated basis in accordance with Accepted Accounting Principles consistently applied.
  - 7.3.2. As soon as available, but in any event not later than forty-five (45) days after the end of each fiscal quarter of each fiscal year of the Borrower, its consolidated balance sheet and related statements of operations, stockholders' equity and cash flows as of the end of and for such fiscal quarter and the then elapsed portion of the fiscal year, setting forth in each case in comparative form the figures for the corresponding period or periods of (or, in the case of the balance sheet, as of the end of) the previous fiscal year, all certified by one of its financial officers as presenting fairly in all material respects the financial condition and results of operations of the Borrower and its consolidated subsidiaries on a consolidated basis in accordance with Accepted Accounting Principles consistently applied, subject to normal year-end audit adjustments and the absence of footnotes.
  - 7.3.3. Concurrently with any delivery of financial statements under Section 7.3.1 or 7.3.2, a certificate of a financial officer (i) certifying as to whether a Default has occurred and, if a Default has occurred, specifying the details thereof and any action taken or proposed to be taken with respect thereto, and (ii) stating whether any change in Accepted Accounting Principles or in the application thereof has occurred since the date of the audited financial statements referred to in Section 7.3.1 and, if any such change has occurred, specifying the effect of such change on the financial statements accompanying such certificate.
  - 7.3.4. As soon as available, but not later than sixty (60) days after the end of each fiscal year of the Borrower, an annual operating plan for the Borrower and its consolidated subsidiaries, approved by the Board, for the then current fiscal year, which will include a statement of all of the material assumptions on which such plan is based, will include balance sheets and a budget in each case on a quarterly basis for the then current fiscal year and will

integrate sales, gross profits, operating expenses, operating profit and cash flow projections (and in the case of cash flow projections, representing management's good faith estimates of future financial performance based on historical performance).

#### 8. <u>Default</u>

- 8.1. The Loan Amount will automatically and immediately become due and payable by the Borrower to the Lender upon the occurrence of any of the following events ("Event of Default"):
  - 8.1.1. the failure by the Borrower to make any payment on the Loan Amount when due pursuant to the Loan Documents;
  - 8.1.2. any other material breach by the Borrower of any of its representations, obligations, covenants or undertakings under this Agreement, the Debentures, or the other Loan Documents or the JLL Loan Documents (but solely if such breach has resulted in the acceleration of obligations thereunder); provided however that if such breach is capable of remedy (as determined by Lender in its reasonable discretion), the Borrower shall have 45 days after the Lender's written notice thereof to remedy such breach;
  - 8.1.3. any breach by the Borrower of the restrictions set forth in Article 85 of Borrower's Restated Articles, which in the case of Article 85.4 of the Borrower's Restated Articles must be a material breach; provided however that if such breach is under Article 85.4 of the Borrower's Restated Articles, the Borrower shall have 45 days after the Lender's written notice thereof to remedy such breach;
  - 8.1.4. (a) any liquidation or dissolution of the Borrower, (b) the execution by the Borrower of a general assignment for the benefit of creditors, (c) the voluntary filing by the Borrower of any petition in liquidation, insolvency or bankruptcy proceedings, (d) the filing against the Borrower of any petition in liquidation, insolvency or bankruptcy proceedings or for relief and the continuation of such petition without dismissal for a period of 30 days or more, the temporary or permanent appointment of a receiver, trustee or liquidator which is not permanently removed or otherwise permanently dismissed within 30 days thereafter, to take possession of a substantial portion of the property or assets of the Borrower, (f) the levy of an Encumbrance or the institution of execution proceedings against all or a substantial part of all of the Borrower's assets, (g) consummation of an initial public offering of the Borrower's securities, or (h) the Borrower ceases to further develop the Product or pursue the FDA Approval.
- 8.2. The Borrower shall notify the Lender within 24 hours of any Event of Default.
- 8.3. At any time after the occurrence and during the continuance of an Event of Default the Lender shall be entitled, but not obligated, to immediately enforce its remedies under the Debentures or any other Loan Document, in whole or in part (subject to the Intercreditor Agreement), and to use the proceeds obtained therefrom to repay the Loan Amount.
- 8.4. The Borrower hereby, to the fullest extent permitted by law, irrevocably and absolutely waives any demand and/or claim against the Lender, relating to, arising out of or connected to the enforcement of the Lender's remedies under the Debentures or any other Loan Document, to the extent such actions are in compliance with the terms of this Agreement, including in respect of the timing of such enforcement or realization.
- 8.5. The Borrower shall promptly reimburse the Lender for all fees, expenses and other sums paid to attorneys and other consultants thereof, whose engagement is required to enforce the Lender's rights under this Agreement, the Debentures or any other Loan Document.

#### 9. Miscellaneous

9.1. This Agreement will inure to the benefit of and be binding on the respective successors and assigns of the Borrower. Notwithstanding the foregoing, neither Party may assign its rights or obligations under this Agreement, except that (A) Lender shall be permitted to assign its rights and obligations

under this Agreement pursuant to a written agreement delivered with prior notice to Borrower (i) to an Affiliate of Lender, (ii) to an acquirer of all or substantially all of Lender's assets, or (iii) as a collateral assignment to the Financing Sources, and (B) the Borrower shall be permitted to assign its rights and obligations under this Agreement pursuant to a written agreement delivered with prior notice to Lender to an acquirer of all or substantially all of the Borrower's assets which assumes Borrower's obligations hereunder as part of a Change of Control that does not constitute a Qualified Transaction.

- 9.2. Lenders' rights and remedies under this Agreement and the other Loan Documents shall be cumulative and are not exclusive of any rights or remedies provided by law. Nothing in this Agreement shall be deemed to limit the Lender's right to any remedies available under applicable laws or otherwise.
- 9.3. This Agreement, taken together with the Debentures, the SPA, the SPA Amendment, and the Distribution Agreement, constitutes the full and entire agreement, and understandings between the Parties with respect to the subject matter hereof and supersedes any and all prior agreements and understandings between the Parties concerning the subject matter hereof.
- 9.4. If any provision of this Agreement is held by a court of competent jurisdiction to be unenforceable under applicable law, then such provision shall be amended to the maximum extent required to render it valid, legal and enforceable (or deleted if no such amendment is feasible), and such amendment or deletion shall not affect the enforceability of the other provisions hereof.
- 9.5. This Agreement may be executed in any number of counterparts, and by the different parties on separate counterparts, each of which, when so executed and delivered, will be deemed to be an original, but all the counterparts will together constitute one and the same instrument.
- 9.6. The Agreement may not be amended or waived except by an instrument in writing signed by both Parties.
- 9.7. Notice as required in this Agreement shall be delivered to the address provided in, and shall be effective as of the date specified in, Section 13.1 of the SPA, as such address may be changed from time to time pursuant to Section 13.1 of the SPA.
- 9.8. This Agreement shall be governed by and construed in accordance with the laws of the State of Israel, and the competent courts of Tel Aviv-Jaffa shall have exclusive jurisdiction over all matters relating to or arising from this Agreement.

[Remainder of Page Intentionally Blank]

In witness whereof, the parties hereto have executed this Agreement:

Creditor: Borrower:

ARTIVION, INC. ENDOSPAN LTD.

By: /s/ James P. Mackin	By: /s/ Kevin Mayberry
Name: J. Patrick Mackin	Name: <u>Kevin Mayberry</u>
Title: Chairman, President and CEO	D Title: CEO

Signature Page to Amended and Restated Loan Agreement

# <u>Exhibit A</u>

# **Borrower Bank Information**

[See Attached.]

# [REDACTED]

Signature Page to Amended and Restated Loan Agreement

Signature Page to Amended and Restated Loan Agreement

# <u>Exhibit B</u>

# Form of Additional Debenture

[See Attached.]

# AMENDED AND RESTATED DEBENTURE

# UNLIMITED IN AMOUNT

# BETWEEN

# ENDOSPAN LTD.

AND

ARTIVION, INC.

DATED

JULY 1, 2024

#### Amended and Restated Debenture

This Amended and Restated Debenture (the "Debenture") is made as of July 1, 2024 (the "Effective Date") by and between:

- 1. Endospan Ltd., a company organized under the laws of the State of Israel, Company No. 514172931, whose registered address is at Maskit St. 4, Herzlia Business Park, Herzlia, Israel 46733 (the "Borrower" or the "Pledgor"); and
- 2. Artivion, Inc., a Delaware corporation formerly known as CryoLife, Inc., whose principal place of business is at 1655 Roberts Blvd., Kennesaw, GA 30144, U.S.A. ("Artivion").

This Debenture amends, restates, and supersedes that certain Debenture entered into by and between Artivion and the Borrower dated as of September 11, 2019.

#### WHEREAS:

- (A) the Borrower and Artivion previously entered into that certain Loan Agreement dated September 11, 2019 and other loan documents (the "First Artivion Loan Agreement"), pursuant to which Artivion provided the Borrower a loan in the principal amount of USD fifteen million (\$15,000,000; the "First Artivion Loan"); and
- (B) the First Artivion Loan was secured pursuant to the terms of that certain Debenture entered into by and between the Borrower and Artivion dated as of September 11, 2019 (as amended from time to time, the "Artivion Debenture"); and
- (C) the Borrower and Japan Lifeline Co., Ltd. ("JLL") previously entered into that certain Loan Agreement dated October 24, 2018, and other loan documents (the "JLL Loan Agreement"), pursuant to which JLL provided the Borrower a loan in the principal amount of USD ten million (\$10,000,000) (the "JLL Loan"); and
- (D) the JLL Loan was secured pursuant to the terms of that certain Debenture entered into by and between the Borrower and JLL dated as of October 24, 2018 (as amended from time to time, the "JLL Debenture"); and
- (E) the security interest created by the Artivion Debenture was a first ranking charge, subordinated only to (i) a security interest granted to JLL in the JLL Debenture in an amount of up to USD ten million (\$10,000,000) (such amount, plus accrued interest thereon, the "Senior Cap") and (ii) the MT Charge (as defined below), pursuant to the terms of a certain Subordination Agreement entered into by and between Artivion and JLL dated as of September 11, 2019 (the "Subordination Agreement"); and
- (F) on or about the date hereof, the First Artivion Loan Agreement is being amended to provide for, among other things, an additional loan of up to \$25,000,000 from Artivion to the Borrower (the "Second Artivion Loan"), all subject to the terms of an Amended and Restated Loan Agreement entered into on the date hereof (the "A&R Artivion Loan Agreement"); and
- (G) as a condition and inducement for Artivion to extend the Second Artivion Loan to the Borrower, on or about the date hereof the Parties entered into a certain Master Transaction Agreement (the "Master Transaction Agreement"), pursuant to which, inter alia, as of the Effective Date, (i) the Subordination Agreement is terminated; (ii) the JLL Debenture is replaced with an amended and restated debenture in form and substance acceptable to Artivion, (iii) the Artivion Debenture is replaced with this Amended and Restated Debenture; and (iv) an Inter Creditor Priority Agreement is entered into, providing that the JLL Loan (up to the Senior Cap) would rank on parity with the First Artivion Loan and the Second Artivion Loan (together, the "Artivion Loan") and the security interest granted in accordance with the JLL Debenture, as amended (up to the Senior Cap) would rank on parity with the Artivion Debenture as amended herein, and any additional amounts loaned

or secured pursuant to the JLL Loan Agreement or the JLL Debenture would rank junior to the Artivion Loan and the Artivion Debenture (the "Inter Creditor Priority Agreement"); and

(B) In order to secure the full and punctual payment and performance when due of the Secured Liabilities (as defined below), the Pledgor has agreed to (i) charge and pledge by way of a first ranking fixed charge, various assets in favor of Artivion, in accordance with the terms hereof; and (ii) charge and pledge, by way of first ranking floating charge, various assets, in favor of Artivion in accordance with the terms hereof.

NOW, THEREFORE, the parties agree as follows:

### 1. <u>Definitions and Interpretation</u>

- 1.1. Unless otherwise defined in this Debenture, terms defined in the A&R Loan Agreement shall have the same meaning, *mutatis mutandis*, in this Debenture.
- 1.2. In this Debenture, the following terms shall have the following meanings:

Charged Assets	As defined in Section 3.1 hereto (Security).
Intellectual Property	Any of Pledgor's registered or unregistered copyrights, patents, trademarks, service marks and applications therefor, and goodwill and trade secrets, or any claims for damages by way of any past, present and future infringement of any of the foregoing.
Lien	A lien, an encumbrance or a security interest including but not limited to a mortgage, fixed charged, floating charge, pledge, lien, conditional sale agreement, hire or hire purchase agreement, option, restriction as to transfer, use or possession, easement or a subordination to a right of a person or an adverse or competing interest of another person
Loan Documents	This Debenture, the A&R Artivion Loan Agreement, the Inter Creditor Priority Agreement, the US Subsidiary Guaranty, the US Subsidiary Security Agreement and any other document related thereto, all as amended or extended from time to time.
Obligations	All existing and future obligations in connection with the payment of all expenses and other amounts due or to become due from the Borrower under the terms of the A&R Loan Agreement, under this Debenture or under any other Loan Document including reasonable legal fees, the fees and costs of any Receiver and any other costs incurred in realizing the Security Interests granted hereunder.
Receiver	A receiver (whether interim or permanent), trustee and manager, or any similar person with similar powers and functions under the laws of any jurisdiction, including, but not limited to, the Israeli Insolvency and Economic Rehabilitation Law, 5778-2018, the Companies Ordinance 5743-1983 and the Companies Law 5759-1999.
Secured Liabilities	As defined in Section 2.1 (Secured Liabilities).

Security InterestThe security interest created by this Debenture.US Subsidiary GuarantyThe Guaranty (Subsidiary) provided by Pledgor's U.S. subsidiary, Endospan, Inc. to Artivion on or<br/>around the date hereof.US Subsidiary Security<br/>AgreementThe Security Agreement (Subsidiary) entered into between Pledgor's U.S. subsidiary, Endospan,<br/>Inc., and Artivion on or around the date hereof.

- 1.3. Words and defined terms denoting the singular number include the plural and vice versa and the use of any gender shall be applicable to all genders.
- 1.4. The paragraph headings are for the sake of convenience only and shall not affect the interpretation of this Debenture.
- 1.5. The recitals, schedules, appendices, annexes and exhibits hereto form an integral part of this Debenture.
- 1.6. Nothing in this Debenture shall derogate from any representation, warranty, covenant or obligation detailed in any other Loan Document to which the Borrower is a party. The representations, warranties, covenants and obligations listed herein are in addition to, and are not in any way replacing any representations and warranties provided in any other Loan Document.

#### 2. <u>Purpose</u>

- 2.1. <u>Secured Liabilities</u>. The Security Interest is created to secure the full and punctual payment and performance of the Obligations in an unlimited amount (the "Secured Liabilities").
- 2.2. <u>Payment</u>. The Pledgor hereby undertakes to pay to Artivion, to the extent due and payable, the Secured Liabilities subject to and in accordance with the terms of the A&R Artivion Loan Agreement, and each amount of the Secured Liabilities not paid to Artivion as aforesaid, shall bear interest at the rate that has been or will be agreed upon in the A&R Artivion Loan Agreement from the date on which the Borrower should have paid such amount until the date of actual payment of the same.
- 2.3. <u>Prepayment</u>. Except as expressly set forth in the A&R Artivion Loan Agreement the Borrower shall not be entitled to discharge any amount of the Secured Liabilities prior to the agreed date for payment thereof.

#### 3. <u>Security</u>

#### 3.1. Creation of Fixed Charge

As security for the full and punctual payment and performance when due (whether at stated maturity, acceleration or otherwise) of all of the Secured Liabilities the Pledgor hereby absolutely and unconditionally charges and pledges certain assets to and in favor of Artivion, by way of a first ranking fixed charge as set forth below:

- 1.1.1 The following specific assets of the Pledgor:
  - (a) All the Pledgor's interest, rights and property in and associated with Intellectual Property Rights, including, without limitation, any and all rights to the NEXUS® Aortic Arch Stent Graft System, the NEXUS DUO® and the NEXUS TRIO<sup>™</sup>, including: (i) inventions which are not in the public domain, whether or not patentable, and whether or not yet made the subject of a pending patent application or applications; (ii) ideas and conceptions of patentable subject matter, including without limitation, any patent disclosures, whether or not made the subject of a pending patent application or applications; (iii) trade secrets, confidential technical information (including confidential ideas, formulas, compositions, inventions and conceptions of inventions, whether patentable or unpatentable); (iv) technology (including know-how and show-how), manufacturing and production processes and techniques, research and development information, drawings, specifications, designs, plans, proposals, technical data and copyrightable works, whether secret or confidential or not; and (v) copies and all tangible embodiments of all of the foregoing, in whatever form or

medium. The Intellectual Property Rights as of the date of this Agreement include those listed in Appendix A.

- (b) All of Pledgor's right, title, and interest in and to: (a) Israeli Patents listed in <u>Appendix B</u> hereto; (b) all inventions and improvements described and claimed therein; (c) all reissues, divisionals, continuations, renewals, extensions, and continuations-in-part thereof; (d) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages and payments for past and future infringements thereof; (e) all rights to sue for past, present, and future infringements thereof; and (f) all rights corresponding to any of the foregoing throughout the world.
- (c) The Pledgor's goodwill.
- (d) 1,000 shares of Common Stock, with a par value of US\$0.0001 each of Endospan, Inc., a Delaware corporation ("Endospan US"), which are owned by and registered in the name of the Pledgor, representing all of the outstanding share capital of Endospan US (the "US Pledged Shares"). With regard to the US Pledged Shares, the pledge hereby created also applies to:
  - (i) all dividends to be granted and/or paid and/or about to be paid in respect of the US Pledged Shares, at any time whatsoever; and
  - (ii) all shares or any other rights received or issued from time to time in respect of or in place of such US Pledged Shares.
- (e) The Pledgor's right, title and interest in and to the following, whether now owned or existing or hereafter acquired or arising:
  - (i) all trademarks, service marks, domain names, trade dress, logos, designs, slogans, trade names, business names, corporate names and other source identifiers, whether registered or unregistered, owned by the Pledgor (collectively, "Trademarks"), (provided that no security interest shall be granted in United States intent-to-use trademark applications to the extent that, and solely during the period in which, the grant of a security interest therein would impair the validity or enforceability of any registration issuing from such intent-to-use trademark applicable federal law), including, without limitation, all of the goodwill of the business connected with the use of, or symbolized by, each Trademark;
  - (ii) all registrations and applications for registration for any Trademark, together with all extensions and renewals thereof;
  - (iii) all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of the Pledgor accruing thereunder or pertaining thereto; and
  - (iv) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages.
- 1.1.2 To the extent not included in the foregoing, all present and future rights to compensation, indemnity, insurance proceeds, warranty or guaranty accruing to the Pledgor by reason of the loss of, damage to or expropriation of, or any other event or circumstance with respect to, such the assets specified in paragraph (3.1.1) above and all proceeds, products and benefits deriving from such assets (including, without limitation, those received upon any collection, exchange, sale or other disposition of such assets and any property into which such assets are converted, whether cash or non-cash).
- 1.1.3 In addition, to the extent required by applicable law to create and perfect a first ranking fixed charge over the assets specified above, the Pledgor also assigns such assets to Artivion by way of first ranking fixed charge and pledge. In particular, the Pledgor hereby assigns to and

in favor of Artivion by way of first ranking fixed charge and pledge (and each of the following shall be deemed to be expressly included in this Section 3.1):

- (a) all rights of the Pledgor deriving from the insurance of the assets specified in paragraph (3.1) above, as in force at any relevant time and under any other law, whether or not assigned to Artivion as aforesaid, are hereby charged to Artivion by way of a first ranking fixed charge and pledge;
- (b) all of the present and future rights, claims and remedies of the Pledgor under and deriving from any applicable law arising in connection with such assets; and
- (c) all present and future rights to compensation, indemnity, warranty or guaranty accruing to the Pledgor by reason of the loss of, damage to or expropriation of, or any other event or circumstance with respect to, such assets.
- 1.1 <u>Creation of Floating Charge</u>. As an additional security for the full and punctual payment and performance when due (whether at stated maturity, acceleration or otherwise) of all of the Secured Liabilities the Pledgor hereby absolutely and unconditionally charges and pledges certain assets to and in favor of Artivion, by way of a first ranking floating charge as set forth below:
  - 1.1.1 To the maximum extent possible, all of the Pledgor's rights, titles and interests in all of its present and future tangible and intangible assets of any kind whether contingent or absolute, including Intellectual Property and all rights to proceeds derived from the sale, licensing or disposition of all or any part of, or rights in, the Intellectual Property, excluding only those assets charged or pledged by a fixed charge under Section 3.1 above.
  - 1.1.2 All inventory of whatever kind and wherever situated in which the Pledgor now or hereafter has an interest, including, without limitation, all goods, merchandise, raw materials, goods in process, finished goods and other tangible personal property held for sale, lease, resale or exchange or furnished or to be furnished under contracts for service or that are used or consumed in the business of the Pledgor, and any part thereof.
  - 1.1.3 To the extent not included in the foregoing, all present and future rights to compensation, indemnity, insurance proceeds, warranty or guaranty accruing to the Pledgor by reason of the loss of, damage to or expropriation of, or any other event or circumstance with respect to, such assets specified in paragraphs (3.2.1 and 3.2.2) above and all proceeds, products and benefits deriving from such assets (including, without limitation, those received upon any collection, exchange, sale or other disposition of such assets and any property into which such assets are converted, whether cash or non-cash).
  - 1.1.4 In addition, to the extent required by applicable law to create and perfect a first ranking floating charge over the assets specified above, the Pledgor shall execute and deliver such further instruments and take such further action as may be required by Artivion.

All of the assets specified in Section 3.1 above and in this Section 3.2 are referred to herein collectively as the "Charged Assets".

### 3.2. First Ranking

The Pledgor specifically acknowledges and undertakes that the Security Interest created by the Pledgor under this Section 3 (*Security*) of this Debenture shall, at all times, rank first in priority to any other Liens created by the Pledgor, except for: (a) those certain fixed charges and floating charges on the Secured Assets, created on or around the date hereof in favor of JLL (the "**JLL Charge**"), with which it will rank equally in accordance with the Inter Creditor Priority Agreement, until such time as the aggregate payment to JLL equals to the Senior Cap; and for (b) a registered first ranking fixed charge and a first ranking floating charge, in favor of Mizrahi-Tefahot Bank Ltd., dated as of June 18, 2024, with respect to the Borrower's deposit account in the amount of NIS 250,000 (the "**MT Charge**").

### 1 <u>Preservation Of Security</u>

### 1.1 Continuing Security.

The Pledgor declares and agrees that:

- 1.1.1 the Security Interest created by this Debenture shall remain in force as continuing security for the payment and discharge of the Secured Liabilities and shall remain in force notwithstanding any settlement of account or any other act, event or matter whatsoever, and, subject to Section 4.3 (*Avoidance of Payments*), shall be fully released and discharged only upon the full payment or satisfaction of the Secured Liabilities (which, solely with respect to the Original Loan and Interest on the Original Loan, may include upon the Cancellation thereof), as set forth in Section 4.4 below);
- 1.1.2 the Security Interest created, and the powers conferred by this Debenture are in addition to, and are not in any way prejudiced or affected by, any other agreement between the Pledgor and Artivion;
- 1.1.3 Artivion will not be bound to enforce any other security interest before enforcing the Security Interests created by this Debenture; and
- 1.1.4 all security interests that have been or may be created in favor of Artivion for payment and performance of the Secured Liabilities by the Borrower shall be independent of one another.

#### 1.2 Security Interest Absolute

- 1.2.1 The Charged Assets are a principal security for the Secured Liabilities and, without prejudice to the foregoing, no right of Artivion, the Security Interest created hereunder, or the liabilities or obligations of the Pledgor or any third party, shall be impaired or discharged by (without limitation):
  - (a) Artivion releasing any of the Charged Assets or granting any time or any waiver whatsoever to or making of any settlement, composition or arrangement with any third party;
  - (b) Artivion asserting or pursuing, failing or neglecting to assert or pursue, or delaying in asserting or pursuing, or waiving, any of its rights or remedies against the Borrower, or any third party arising under or by virtue of this Debenture or otherwise;
  - (c) Artivion making any variation, amendment or supplement to: this Debenture, any agreement between Artivion, and the Borrower, or any other document or instrument from time to time entered into between the Borrower or any third party and Artivion;
  - (d) any change in the time, manner, place of payment or any other term or condition of the Secured Liabilities, or any other amendment or waiver of or under any agreement between Artivion and the Borrower;
  - (e) the non-perfection of any security interest or any release, waiver or amendment from any guaranty for all or part of the Secured Liabilities;
  - (f) Artivion taking, accepting, varying, dealing with, enforcing, abstaining from enforcing, surrendering, exchanging or releasing any security interest in relation to the Pledgor or any third party, or claiming, proving for, accepting or transferring any payment in respect of the Secured Liabilities or the liabilities of any other third party in any composition by, or winding up of, any such party and/or any third party, or abstaining from so claiming, proving, accepting or transferring;
  - (g) to the fullest extent permitted by applicable law, any other circumstance that could otherwise constitute a defense to or discharge of the Pledgor or any third party, other than the payment and performance in full of the Secured Liabilities (which, solely with respect to the Original Loan and Interest on the Original Loan, may include upon the Cancellation thereof),

except as explicitly waived, released, amended or surrendered by Artivion in writing, in any of the above-mentioned events.

- 1.2.2 Notwithstanding anything to the contrary contained in this Debenture, the Pledgor will remain liable to observe and perform all the conditions and obligations relating to or constituting the Secured Liabilities or the Charged Assets and neither Artivion nor any Receiver will be under any obligation or liability with respect to the Secured Liabilities or the Charged Assets by reason of or arising out of this Debenture. Neither Artivion nor any Receiver will be required in any manner to perform or fulfill any of the obligations of the Pledgor in respect of the Secured Liabilities or the Charged Assets, or to make any payment, or to make any enquiry as to the nature or sufficiency of any payment received by it, or to present or file any claim or take any action or to collect any amount or enforce any right or remedy hereunder.
- 1.2.3 The exercise by Artivion of any of the rights or remedies hereunder shall not release the Borrower from any of its liabilities or obligations under any agreement between Artivion and the Borrower, unless the Secured Liabilities have been satisfied in full (which, solely with respect to the Original Loan and Interest on the Original Loan, may include upon the Cancellation thereof); for the avoidance of doubt, the application of the Charged Assets to satisfy part of the Secured Liabilities shall not release the Borrower from its obligations to pay and perform the remaining Secured Liabilities in full.

### 1.3 Avoidance of Payments

- 1.3.1 Any payment made under any Loan Document which is capable of being avoided or otherwise set aside on liquidation of the Pledgor or otherwise on similar proceedings shall, for so long as it is capable of being avoided or set aside as aforesaid, not be considered to have been paid for the purposes of this Debenture.
- 1.3.2 To the extent that the Pledgor or any third party on its behalf thereof makes a payment or payments to Artivion, or Artivion enforces any security interest or exercises any right of set-off and such payment or payments or the proceeds of such enforcement or set-off or any part thereof are subsequently avoided or set aside, declared to be fraudulent or preferential or required to be repaid or refunded or reduced by virtue of any applicable law relating to bankruptcy, insolvency, administration, receivership, trusteeship, liquidation or similar proceedings, the Secured Liabilities or any part thereof originally intended to be satisfied, and this Debenture and all Security Interests, rights and remedies therefore shall be revived and continued in full force and effect as if such payment or payments had not been made or such enforcement or set-off had not occurred.

### 1.4 <u>Release</u>

Automatically upon full and final payment or satisfaction of all of the Secured Liabilities by the Pledgor (which, solely with respect to the Original Loan and Interest on the Original Loan, may include upon the Cancellation thereof), this Debenture and the Security Interest created hereby shall be terminated and be of no further force and effect and all rights to the Security Interests created hereunder shall revert to the Pledgor. Following such termination, Artivion shall, at the request of the Pledgor, deliver to the Pledgor a written release of the Security Interest created by this Debenture and take any such other actions reasonably required and requested by Pledgor for such release of the Security Interest, including any applicable filings for the removal of the lien and security interest in the Charged Assets, all at the sole cost and expense of the Pledgor.

### 2 <u>Representations and Warranties</u>

The Pledgor hereby represents and warrants, as of the date hereof and as long as this Debenture is in force, as follows:

2.1 The Pledgor is a company duly organized and validly existing under the Laws of the State of Israel. The Pledgor has the corporate power to own its properties and to carry on its business as currently conducted. The Pledgor is duly qualified or licensed to do business and (to the extent such phrase is recognized in the applicable jurisdiction) in good standing as a foreign corporation in each jurisdiction in which such qualification or licensure is required by law, except for those jurisdictions where the failure to be so qualified or licensed and in good standing would not reasonably be expected to have, individually, or in the aggregate, a Company Material Adverse

Effect (as such term is defined in that certain Securities Purchase Option Agreement dated as of September 11, 2019 between Artivion and certain shareholders of the Pledgor (the "**Purchase Option Agreement**")..

- 2.2 The Pledgor has all requisite power and authority to enter into this Debenture, and to otherwise consummate the transactions contemplated herein (the "**Transactions**"). The execution and delivery of this Debenture and the consummation of the Transactions have been duly authorized by all necessary corporate action on the part of the Pledgor, and no further action is required on the part of the Pledgor to authorize, execute and deliver this Debenture. This Debenture has been duly executed and delivered by the Pledgor and, assuming the due authorization, execution and delivery by the other parties hereto, shall constitute the valid and binding obligations of the Pledgor enforceable against it in accordance with its respective terms, except as such enforceability may be subject to the laws of general application relating to bankruptcy, insolvency, and the relief of debtors and rules of law governing specific performance, injunctive relief, or other equitable remedies.
- 2.3 The Pledgor is duly and validly registered with the Israeli Registrar of Companies; and as of the date hereof it is not in a status of a "breaching company" (הברה מפרה) within the meaning provided therefor under the Israeli Companies Law, 5759-1999).
- 2.4 The Security Interest created herein constitutes, as of the time it purports to become effective in accordance with the terms hereof, a series of legally and validly binding, first ranking fixed charges over the Charged Assets. All filings, registrations or other acts necessary to perfect the Security Interests granted under this Debenture, according to applicable law, have been taken and are duly completed, other than the registration of such Security Interests with the Israeli Registrar of Companies.
- 2.5 The execution and delivery by the Pledgor of this Debenture, and the consummation thereof will not Conflict with (i) any provision of Pledgor's Articles of Association, (ii) any material contract to which Pledgor is a party, or (iii) any law applicable to the Pledgor or any of its properties (whether tangible or intangible) or assets.
- 2.6 No consents, approvals, orders, authorizations, registrations, declarations, filings and notices, governmental or other, are required in connection with the execution and delivery of this Debenture by the Pledgor or the consummation hereof other than: (i) the registration of such Security Interests with the Israeli Registrar of Companies, and (ii) the consent of (a) the shareholders of the Borrower and (b) the board of directors of the Borrower, which shall be obtained prior to the Additional Loan Closing Date (as such term is defined under the Master Transaction Agreement).
- 2.7 The Pledgor has good and marketable title to the Charged Assets, free and clear of any Liens (except for the security interests in favor of Artivion and of JLL and the MT Charge), and the Charged Assets are not subject to any senior, pari passu, junior or subordinated Liens, except for the JLL Charge and the MT Charge. The Pledgor is not a party to, nor is bound by, any license or other agreement that prohibits or otherwise restricts the Pledgor from granting the Security Interests herein and has good title and all rights and powers to charge and transfer any of the Charges Assets.
- 2.8 The Charged Assets that are tangible and material assets are in good and substantial repair and condition.
- 2.9 There are no actions, suits, litigation or proceedings, at law or in equity, pending by or against Pledgor before any court, administrative agency, or arbitrator in connection with the Pledged Assets.
- 2.10 Pledgor is able to pay its debts (including trade debts) as they mature; the fair saleable value of Pledgor's assets (including goodwill minus disposition costs) exceeds the fair value of its liabilities.

#### 3 Affirmative Covenants

The Pledgor hereby undertakes as follows, for as long as any Secured Liabilities remain outstanding (other than to the extent Artivion waives any of the following, in writing):

3.1 The Pledgor shall use all required means to defend the Charged Assets or cause the Charged Assets to be defended against, and shall take, at its expense, any action necessary to remove any Lien over

the Charged Assets (other than the Liens in favor of Artivion and JLL and the MT Charge) and shall defend the right, title and interest of Artivion in and to any Charged Asset against the claims and demands of all other persons.

- 3.2 Without derogating from its obligations hereunder, the Pledgor shall promptly notify Artivion of any: (a) material damage or defect to the Charged Assets; (b) change in the directors of the Borrower, Borrower's Chief Executive Officer, or any officer of Borrower that leads Borrower's research and development, quality, clinical, or sales functions; and (c) change in the Borrower's principal office address.
- 3.3 The Pledgor will permit Artivion, subject to reasonable prior notice and during normal business hours, from time to time, to inspect the condition of the Charged Assets wherever the same may be, and to inspect the Pledgor's books and records and to make copies thereof and to check, test, and appraise the Charged Assets in order to verify the Pledgor's financial condition or the amount, condition of, or any other matter relating to, the Charged Assets, and discuss with its officers regarding the Charged Assets.
- 3.4 Without derogating from the rights of Artivion, the Pledgor shall notify Artivion of any default under any Loan Document ("**Event of Default**") (and the steps, if any, being taken to remedy it) promptly upon it becoming aware of the occurrence thereof. In particular, the Pledgor shall:
  - 3.4.1 notify Artivion as soon as reasonably practicable of: (i) the imposition of any Lien (other than a Lien in favor of Artivion, JLL or the MT Charge) with respect to the Charged Assets; (ii) the occurrence of any seizure, requisition, expropriation or forfeiture or any material change in the legal status of the Charged Assets or any portion thereof; and (iii) the occurrence of an Event of Default.
  - 3.4.2 notify Artivion as soon as reasonably practicable of the imposition of any attachment or the issue of any execution proceedings or of any application for the appointment of a receiver, trustee, or special manager (whether interim or permanent) over or with respect to the Charged Assets or any part thereof and shall promptly notify the authorities which levied such attachment or issued such execution proceedings or received the application for the appointment of such receiver, trustee, or manager and any third party who initiated or applied for such action of this Debenture in favor of Artivion, and forthwith take, at the expense of the Pledgor, all reasonable steps necessary for the discharge, if applicable, of such attachment, execution proceedings or appointment of a receiver or trustee, as the case may be.
- 3.5 The Pledgor shall, promptly following the execution of this Debenture, take any actions necessary to enable Artivion to register this Debenture with the Israeli Registrar of Companies together with the duly executed filing form, on a form to be agreed by Artivion, and shall deliver to Artivion an electronic copy of the certificate of registration of such Debenture certified by the Israeli Registrar of Companies.
- 3.6 The Pledgor shall procure and maintain reasonable insurance coverage on the Charged Assets (as applicable) and shall comply with the terms of such insurance policies.

#### 4 <u>Negative Covenants</u>

Except as expressly permitted pursuant to the terms of the A&R Loan Agreement, the Pledgor hereby undertakes not to do any of the following, without first obtaining Artivion's consent in writing, for as long as any Secured Liabilities remain outstanding:

- 4.1 <u>Dispositions</u>. Transfer, or otherwise dispose of, all or any part of the Charged Assets, including, without limitation, the Pledgor's Intellectual Property, except for grant of non-exclusive licenses in the ordinary course of business.
- 4.2 <u>Fundamental Changes</u>. Merge, combine or consolidate with any Person, whether in a single transaction or in a series of related transactions, or liquidate, wind up its affairs or dissolve itself, whether in a single transaction or in a series of related transactions; conduct business under any

fictitious name; change its tax, charter or other organizational identification number; or change its form or state of organization.

- 4.3 <u>Encumbrances</u>. (A) Create, incur, guarantee or suffer to exist any Lien upon any of the Charged Assets; or (B) covenant to any other Person that the Pledgor in the future will refrain from creating, incurring, assuming or allowing any Lien with respect to any of the Pledgor's property (including, without limitation, the Pledgor's Intellectual Property).
- 4.4 <u>Subsidiaries</u>. Form or acquire any subsidiary, unless all holding in such subsidiary is pledged under the terms of this Debenture.
- 4.5 <u>Patents</u>. File any patent applications in Israel, unless all of the Pledgor's rights in connection thereto are pledged under the terms of this Debenture.
- 4.6 <u>Intellectual Property Rights</u>. permit any Intellectual Property Rights which are registered to be abandoned or cancelled, to lapse or to be liable to any claim of abandonment for non-use or otherwise.

#### 5 <u>Rights of Artivion</u>

- 5.1 <u>Artivion' Right to Perform</u>. Without derogating from the rights of Artivion to realize each of the Security Interests granted hereunder, upon the occurrence and during the continuance of an Event of Default or if the Pledgor for any reason whatsoever fails to duly and punctually observe or perform or comply with any of its obligations under the A&R Loan Agreement or under this Debenture, including under Section 6 (*Affirmative Covenants*) and Section 7 (*Negative Covenants*), Artivion shall have the power, on behalf of or in the name of the Pledgor or otherwise, to perform the obligation and to take any steps which Artivion may, in its reasonable discretion, consider appropriate with a view to remedying or mitigating the consequences of the failure, but without in any way (other than in case of willful misconduct) becoming liable therefor and provided that the exercise of this power, or the failure to exercise it, shall in no circumstances prejudice the rights of Artivion hereunder.
- 5.2 Artivion may, at any time after the occurrence and during the continuance of an Event of Default, set off any sum, whether in Israeli currency or in foreign currency, as the case may be, due or owing to the Pledgor from Artivion in any account, manner or circumstance whatsoever, against the Secured Liabilities, in whole or in part. In no event and under no circumstance whatsoever, against the Pledgor from Artivion in any account, manner or circumstance Liabilities, in whole or in part.

### 6 <u>Default and Enforcement</u>

6.1 The occurrence of any of the Events of Default in the A&R Loan Agreement or in any other Loan Document, *mutatis mutandis*, shall constitute an Event of Default under this Debenture as well. Furthermore, any breach of this Debenture by Pledgor shall also constitute an Event of Default under this Debenture, unless cured, if such breach is capable of remedy (as determined by Artivion in its reasonable discretion), within 45 days after Artivion's written notice thereof to remedy such breach or is waived in writing by Artivion.

#### 6.2 Artivion' Powers

- 6.2.1 On or at any time after the occurrence of an Event of Default, Artivion shall be entitled to declare any or all of the Secured Liabilities immediately due and payable, in accordance with the terms of the Loan Documents.
- 6.2.2 On or at any time after the occurrence of an Event of Default, Artivion shall also be entitled to exercise all rights and remedies afforded by applicable law and the other Loan Documents and take all such steps as it sees fit to collect the Secured Liabilities from the Pledgor in accordance with the terms of the Loan Documents and, in addition thereto, without prejudice to any and all of its other rights, to realize the Charged Assets, whether by the application for the appointment of a Receiver in accordance with the terms of this Debenture or whether,

subject to applicable law, by any other reasonable method Artivion shall see fit, as permitted under applicable law.

- 6.2.3 Subject to applicable law, and after the occurrence of an Event of Default, Artivion shall be entitled, in any proceedings concerning the insolvency, bankruptcy, liquidation, winding up, arrangement, receivership, any other proceedings under the Insolvency and Financial Rehabilitation Law 5778-2018, or similar proceedings, of the Pledgor, to:
  - (a) demand, claim, collect, enforce and prove the Secured Liabilities and give acquittance thereunder;
  - (b) file any claims and proofs, give receipts and take all such proceedings and actions as Artivion sees fit to recover the Secured Liabilities; and
  - (c) receive all distributions on and payments with respect to the Secured Liabilities.
- 6.2.4 On or at any time after the occurrence of an Event of Default, Artivion shall have all powers that it may, in its reasonable discretion, determine to be desirable or necessary to preserve the Charged Assets and the Security Interest created hereby and to take all such steps for such purpose at the Pledgor's expense, subject to applicable law.
- 6.3 Receiver. Subject to the provisions of applicable laws, upon the occurrence of an Event of Default:
  - 6.3.1 The Receiver shall have all powers conferred by the Companies Ordinance, 5743-1983, and/or Insolvency and Economic Rehabilitation Law, 5778-2018 (if applicable), and all other applicable law, including, without limitation, the power:
  - 6.3.2 to receive into its hands the Charged Assets and to take possession thereof;
  - 6.3.3 to require the Pledgor to deliver or otherwise make available such of the Charged Assets as the Receiver may demand, and without the consent of the Pledgor, enter into any premises of the Pledgor or any place where the Charged Assets are located and take possession of any of the Charged Assets;
  - 6.3.4 to manage the Pledgor's business or participate in the management thereof as it may see fit;
  - 6.3.5 to sell or agree to the sale of the Charged Assets, in whole or in part, or to transfer the same in any other manner upon such conditions as it may see fit;
  - 6.3.6 to exercise any right charged or pledged hereunder in the same manner in which the Pledgor was entitled to exercise such right in accordance with the terms of Section 20 of the Israeli Pledge Law, 5727-1967;
  - 6.3.7 to employ accountants, lawyers and other professionals;
  - 6.3.8 to call up any of the Pledgor's uncalled share capital;
  - 6.3.9 to do any other act or thing which the Receiver considers to be incidental or conducive to the exercise of any other right exercisable by it; and
  - 6.3.10to make any other arrangement with respect to the Charged Assets or any part thereof as it may see fit.
- 6.4 On and at any time after the occurrence of an Event of Default, should the payment date of the Secured Liabilities or any part thereof not yet have fallen due at the time of the sale of the Charged Assets, or the Secured Liabilities be due to Artivion or the Receiver on a contingent basis only, then Artivion or the Receiver shall be entitled to recover out of the proceeds of the sale an amount sufficient to cover the Secured Liabilities (or such part thereof) and the amount so recovered and yet to be appropriated to the discharge of the amounts due shall be charged to Artivion or the Receiver as security for, and be held by Artivion or the Receiver until the full payment or

satisfaction of the Secured Liabilities (which, solely with respect to the Original Loan and Interest on the Original Loan, may include upon the Cancellation thereof).

- 6.5 The Pledgor alone shall be responsible for the Receiver's remuneration. In no event shall Artivion be responsible for the acts and omissions of the Receiver or for the Receiver's remuneration.
- 6.6 A five (5) days' advance notice to the Pledgor regarding the steps that Artivion intends to take shall be deemed to be reasonable advance notice for the purpose of Section 19(b) of the Israeli Pledge Law, 5727-1967.

# 7 <u>Exercise of Rights; Distribution of Proceeds</u>

- 7.1 Exercise of the powers of the Receiver or Artivion hereunder, will be subject to the provisions of the Inter Creditor Priority Agreement.
- 7.2 All moneys and other assets arising from the exercise of the powers of the Receiver or Artivion or otherwise received by Artivion or the Receiver from the realization of any Charged Asset shall, subject to the provisions of the Inter Creditor Priority Agreement and any applicable law, be applied to repay the Secured Liabilities before any other payment.

### 8 <u>Further Action</u>

The Pledgor further covenants with Artivion from time to time upon demand to execute, at the Pledgor's own cost, any document or do any act or thing which:

- 8.1 Artivion or the Receiver may at any time reasonably request in order to create, perfect, register or give effect to any pledge, charge or assignment created or intended to be created by this Debenture, including but not limited to, the amendment of this Debenture (to the extent required) to allow inclusion of subsequent assets acquired by the Pledgor after the date hereof under the fixed charge created in accordance with the terms hereof;
- 8.2 Artivion or the Receiver may reasonably specify with a view to facilitating the exercise, or the proposed exercise, of any of their powers or the protection, management or realization of the Charged Assets upon the occurrence of an Event of Default. In the event that the Pledgor fails to execute any document or to do any such act following prior reasonable notice by Artivion or the Receiver, Artivion or the Receiver may execute, at the Pledgor's expense, any such document or do any such act or thing in the name of and on behalf of the Pledgor.

# 9 Protection of Artivion and the Receiver

- 9.1 Other than with respect to willful misconduct or gross negligence, neither Artivion nor the Receiver, nor any of their respective agents, managers, officers, employees, delegates, and advisers, shall be liable for, and the Pledgor shall indemnify Artivion and the Receiver for, any claim, demand, liability, loss, damage, cost or expense which arises out of this Debenture or the exercise or the attempted or purported exercise of any of their respective rights, powers and discretions under this Debenture.
- 9.2 Neither Artivion nor any Receiver, nor any of their respective agents, managers, officers, employees, delegates, and advisers shall be under any duty towards the Pledgor to exercise any of their respective rights, powers and discretions under this Debenture.
- 9.3 The Pledgor hereby waives any requirements with respect to notice, form or the terms of the exercise by Artivion, the Receiver, or any of their respective agents, managers, officers, employees, delegates, and advisers of their respective rights, powers and discretions under this Debenture, except as provided for herein or pursuant to applicable law.

## 10 Indemnity

The Pledgor shall defend, indemnify and hold harmless Artivion and its officers, employees, and agents, including the Receiver, against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this Debenture or any other Loan Document to which the Pledgor is a party; and (b) all losses or expenses in any

way suffered, incurred, or paid by Artivion, its officers, employees and agents as a result of or in any way arising out of transactions between Artivion and the Pledgor whether under this Debenture or under any other Loan Document to which the Pledgor is a party or otherwise (including without limitation reasonable attorneys' fees and expenses).

# 11 Costs and Expenses

- 11.1 The Pledgor shall pay all filing fees and/or duties, payable in respect of this Debenture or the transactions contemplated hereby, to the extent required.
- 11.2 All the fees, costs and expenses incurred by Artivion or any Receiver in connection with the registration, perfecting or enforcement of this Debenture and realization of the Charged Assets (including reasonable fees of the lawyers of Artivion and the Receiver) shall form part of the Secured Liabilities.

# 12 <u>Assignment</u>

- 12.1 This Debenture shall be binding upon and inure to the benefit of each party hereto and its permitted successors and assigns.
- 12.2 The Pledgor may not assign or transfer all or any part of its rights and/or obligations under this Debenture.
- 12.3 Artivion may assign or transfer its rights and obligations hereunder upon assignment of its rights pursuant to the A&R Loan Agreement in accordance with the terms thereof.

# 13 Miscellaneous

# 13.1 Notices and Communications

All notices and other communications hereunder shall be in writing and shall be deemed given: (i) upon delivery, if delivered personally or by commercial messenger; (ii) one (1) Business Day after deposited with an overnight courier service of international reputation (including Federal Express); (iii) upon successful transmission of electronic mail (upon acknowledgment from recipient or reception of read receipt), during ordinary business hours of the recipient, or, if outside the recipient's ordinary business hours, the next Business Day to the Parties at the following addresses (or at such other address for a Party as shall be specified by like notice); or (iv) upon receipt, if sent by mail; in each case if addressed to.

If to Pledgor:

Endospan Ltd. Maskit St. 4 Herzlia Business Park, Herzlia, Israel 46733 Attention: Kevin Mayberry, CEO Facsimile No. and email address: +972 (9) 835-9877, kevin@endospan.com

with a copy (which shall not constitute notice) to:

Goldfarb, Gross, Seligman & Co. One Azrieli Center, Round Building, Tel- Aviv Israel 670110 Attention: Danny Kleinhendler, Adv. Facsimile No. and email address: +972 (3) 607-4566, dannyk@gkh-law.com

If to Artivion:

Artivion, Inc. 1655 Roberts Blvd. Kennesaw, GA 30144 U.S.A. Attention: General Counsel Email address: jean.holloway@artivion.com

with a copy (which shall not constitute notice) to:

Perkins Coie LLP 405 Colorado Street, Suite 1700 Austin, TX 78701 Attention: Andrew Smetana Facsimile No. and email address: (737) 256.6300; ASmetana@perkinscoie.com

- 13.2 <u>Delays or Omissions; Waiver</u>. The rights of a party hereto may be waived only in writing and specifically; the conduct of a party shall not be deemed a waiver of any of its rights pursuant to this Debenture and/or as a waiver or consent on its part as to any breach or failure to meet any of the terms of this Debenture or as an amendment hereto. A waiver by a party in respect of a breach by the other party of its obligations shall not be construed as a justification or excuse for a further breach of its obligations. No delay or omission to exercise any right, power, or remedy accruing to a party hereto upon any breach or default by the other party shall impair any such right or remedy nor shall it be construed to be a waiver of any such breach or default, or any acquiescence therein or in any similar breach or default thereafter occurring. The rights of either party hereunder may be exercised as often as necessary and are cumulative and not exclusive of its rights under applicable law.
- 13.3 <u>Amendments</u>. Any term of this Debenture may be amended or modified only by a written document signed by the Pledgor and Artivion.
- 13.4 <u>Entire Agreement</u>. This Debenture contains the entire understanding of the parties with respect to its subject matter and all prior negotiations, discussions, agreements, commitments and understandings between them with respect thereto not expressly contained herein shall be null and void in their entirety, effective immediately with no further action required.
- 13.5 <u>Severability</u>. If a provision of this Debenture is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision hereof or the validity or enforceability in other jurisdictions of that or any other provision hereof. Where provisions of any applicable law resulting in such illegality, invalidity or unenforceability may be waived, they are hereby waived by each party to the full extent permitted so that this Debenture shall be deemed a valid and binding agreement enforceable in accordance with its terms.
- 13.6 <u>Counterparts and E-mail Signatures</u>. This Debenture may be executed in any number of counterparts, and this has the same effect as if the signatures on the counterparts were on a single copy of this Debenture. A signed Debenture received by a party hereto via e-mail will be deemed an original, and binding upon the party who signed it.
- 13.7 <u>Governing Law and Venue</u>. This Debenture shall be governed by and construed in accordance with the laws of the State of Israel, without giving effect to the principles thereof relating to conflict of laws. The competent courts of the city of Tel Aviv-Jaffa shall have exclusive jurisdiction to hear all disputes arising in connection with this Debenture and no other courts shall have any jurisdiction whatsoever in respect of such disputes.
- 13.8 <u>Further Actions</u>. Each of the parties hereto shall perform such further acts and execute such further documents as may reasonably be necessary to carry out and give full effect to the provisions of this Debenture and the intentions of the parties as reflected thereby.

- 13.9 <u>Third Party Beneficiaries</u>. Nothing in this Debenture shall create or confer upon any person or entity, other than the parties hereto or their respective successors and permitted assigns, any rights, remedies, obligations or liabilities, except as expressly provided herein.
- 13.10 <u>Survival</u>. All covenants, representations and warranties made in this Debenture shall continue in full force and effect so long as any Secured Liabilities remain outstanding, except for representations and warranties which may change in course of time due to their nature (e.g. Sections 5.7 and 5.9 above), in which cases shall remain in full force and effect but be correct as of the date first given. The obligations of the Pledgor to indemnify Artivion with respect to the expenses, damages, losses, costs and liabilities described in Section 12 (*Protection of Artivion and the Receiver*) and Section 13 (*Indemnity*) shall survive until all applicable statute of limitations periods with respect to actions that may be brought against Artivion have lapsed.

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# IN WITNESS WHEREOF this Debenture has been executed by the Parties, on the day and year first above written.

# THE PLEDGOR:

# Endospan Ltd.

By:	/s/ Kevin Mayberry
Name:	Kevin Mayberry
Title:	CEO

# ARTIVION:

# Artivion, Inc.

By:	/s/ James P. Mackin
Name:	J. Patrick Mackin
Title:	Chairman, President and CEO

Signature Page to Amended and Restated Debenture (Artivion)

#### **CERTIFICATIONS**

I, J. Patrick Mackin, certify that:

- 1. I have reviewed this quarterly report on Form 10-Q of Artivion, Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 9, 2024

/s/ J. PATRICK MACKIN

Chairman, President, and Chief Executive Officer I, Lance A. Berry, certify that:

- 1. I have reviewed this quarterly report on Form 10-Q of Artivion, Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 9, 2024

/s/ LANCE A. BERRY

Chief Financial Officer and Executive Vice President, Finance

#### CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Artivion, Inc. (the "Company") on Form 10-Q for the quarter ended June 30, 2024, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), each of J. Patrick Mackin, the Chairman, President, and Chief Executive Officer of the Company, and Lance A. Berry, the Chief Financial Officer, and Executive Vice President, Finance of the Company, hereby certifies, pursuant to and for purposes of 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, in his capacity as an officer of the Company and to his knowledge:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ J. PATRICK MACKIN J. PATRICK MACKIN Chairman, President, and Chief Executive Officer August 9, 2024 /s/ LANCE A. BERRY

LANCE A. BERRY Chief Financial Officer and Executive Vice President, Finance August 9, 2024