

ANNUAL MEETING OF STOCKHOLDERS OF



Formerly CryoLife | Jotec

May 18, 2022

PROXY VOTING INSTRUCTIONS

INTERNET - Access "www.voteproxy.com" and follow the on-screen instructions or scan the QR code with your smartphone. Have your proxy card available when you access the web page.



TELEPHONE - Call toll-free **1-800-PROXIES** (1-800-776-9437) in the United States or **1-718-921-8500** from foreign countries and follow the instructions. Have your proxy card available when you call.

Vote online/phone until 11:59 PM EDT the day before the meeting.

MAIL - Sign, date and mail your proxy card in the envelope provided as soon as possible.

VIRTUALLY AT THE MEETING - The company will be hosting the meeting live via the Internet this year. To attend the meeting via the Internet, please visit <https://web.lumiagm.com/295739807> (password: artivion2022) and be sure to have your control number available.

GO GREEN - e-Consent makes it easy to go paperless. With e-Consent, you can quickly access your proxy materials, statements and other eligible documents online, while reducing costs, clutter and paper waste. Enroll today via www.astfinancial.com to enjoy online access.

COMPANY NUMBER	
ACCOUNT NUMBER	

NOTICE OF INTERNET AVAILABILITY OF PROXY MATERIAL:

The Notice of Meeting, proxy statement and proxy card are available at <http://www.astproxyportal.com/ast/01609>

Please detach along perforated line and mail in the envelope provided IF you are not voting via telephone or the Internet.

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THE BOARD OF DIRECTORS RECOMMENDS A VOTE FOR THE ELECTION OF THE DIRECTOR NOMINEES NAMED BELOW, FOR APPROVAL OF THE COMPENSATION PAID TO ARTIVION'S NAMED EXECUTIVE OFFICERS, FOR RATIFICATION OF ERNST & YOUNG LLP AS THE INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE COMPANY FOR THE FISCAL YEAR ENDING DECEMBER 31, 2022, AND FOR APPROVAL OF THE ARTIVION, INC. AMENDED AND RESTATED EMPLOYEE STOCK PURCHASE PLAN.

PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE. PLEASE MARK YOUR VOTE IN BLUE OR BLACK INK AS SHOWN HERE

1. ELECTION OF DIRECTORS

- FOR ALL NOMINEES
- WITHHOLD AUTHORITY FOR ALL NOMINEES
- FOR ALL EXCEPT (See instructions below)

NOMINEES:

- Thomas F. Ackerman
- Daniel J. Bevevino
- Marna P. Borgstrom
- James W. Bullock
- Jeffrey H. Burbank
- J. Patrick Mackin
- Jon W. Salvesson
- Anthony B. Semedo

INSTRUCTIONS: To withhold authority to vote for any individual nominee(s), mark "FOR ALL EXCEPT" and fill in the circle next to each nominee you wish to withhold, as shown here: ●

To change the address on your account, please check the box at right and indicate your new address in the address space above. Please note that changes to the registered name(s) on the account may not be submitted via this method.

- 2. To approve, by non-binding vote, the compensation paid to Artivion's Named Executive Officers, as disclosed pursuant to Item 402 of Regulation S-K, including the Compensation Discussion and Analysis, compensation tables, and narrative discussion. FOR AGAINST ABSTAIN
- 3. To ratify the approval of Ernst & Young LLP as the independent registered public accounting firm for the company for the fiscal year ending December 31, 2022. FOR AGAINST ABSTAIN
- 4. To approve the Artivion, Inc. Amended and Restated Employee Stock Purchase Plan. FOR AGAINST ABSTAIN
- 5. In their discretion, upon such other matters as may properly come before the meeting.

THE PROXIES SHALL VOTE AS SPECIFIED ABOVE, OR IF NO DIRECTION IS MADE, THIS PROXY WILL BE VOTED FOR EACH OF THE LISTED NOMINEES, FOR APPROVAL OF THE COMPENSATION PAID TO ARTIVION'S NAMED EXECUTIVE OFFICERS, IN FAVOR OF THE RATIFICATION OF ERNST & YOUNG LLP, AND FOR APPROVAL OF THE ARTIVION, INC. AMENDED AND RESTATED EMPLOYEE STOCK PURCHASE PLAN. SHOULD A NOMINEE BE UNABLE TO SERVE, THIS PROXY MAY BE VOTED FOR A SUBSTITUTE SELECTED BY THE BOARD OF DIRECTORS.

Signature of Stockholder Date: Signature of Stockholder Date:

Note: Please sign exactly as your name or names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.

Important Notice of Availability of Proxy Materials for the Stockholder Meeting of



To Be Held On:

May 18, 2022 at 9:00 a.m. EDT

Meeting live via the Internet – please visit https://web.lumiagm.com/295739807 (password: artivion2022)

COMPANY NUMBER	
ACCOUNT NUMBER	
CONTROL NUMBER	

This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. We encourage you to access and review all of the important information contained in the proxy materials before voting.

If you want to receive a paper or e-mail copy of the proxy materials you must request one. There is no charge to you for requesting a copy. To facilitate timely delivery please make the request as instructed below before 05/6/2022.

Please visit http://www.astproxyportal.com/ast/01609, where the following materials are available for view:

- Notice of Annual Meeting of Stockholders
- Proxy Statement
- Form of Electronic Proxy Card
- Annual Report on Form 10-K

TO REQUEST MATERIAL:

TELEPHONE: 888-Proxy-NA (888-776-9962) 718-921-8562 (for international callers)
 E-MAIL: info@astfinancial.com
 WEBSITE: https://us.astfinancial.com/OnlineProxyVoting/ProxyVoting/RequestMaterials

TO VOTE:



ONLINE: To access your online proxy card, please visit www.voteproxy.com and follow the on-screen instructions or scan the QR code with your smartphone. You may enter your voting instructions at www.voteproxy.com up until 11:59 PM EDT the day before the meeting date.

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TELEPHONE: To vote by telephone, please visit www.voteproxy.com to view the materials and to obtain the toll free number to call.

MAIL: You may request a card by following the instructions above.

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2. To approve, by non-binding vote, the compensation paid to Artivion's Named Executive Officers, as disclosed pursuant to Item 402 of Regulation S-K, including the Compensation Discussion and Analysis, compensation tables, and narrative discussion.
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4. To approve the Artivion, Inc. Amended and Restated Employee Stock Purchase Plan.
5. In their discretion, upon such other matters as may properly come before the meeting.

Please note that you cannot use this notice to vote by mail.