



PLEASE VOTE NOW!

July 27, 2009

Dear Hemisphere Stockholder:

Our annual shareholder meeting was held as scheduled on June 24, 2009, at which time three of the four proposals were passed with the necessary 40% quorum participating in the election. However, the Company declared that the polls would remain open with regard to voting on proposal 3 contained in the proxy for the 2009 Annual Meeting of Stockholders in order to permit stockholders additional time in which to vote on that specific measure. The adjourned meeting has been rescheduled to be held at the Embassy Suites Hotel, 1776 Benjamin Franklin Parkway, Philadelphia, Pennsylvania 19103, on Friday, September 4, 2009, at 10:00 a.m. Eastern time. The record date remains May 8, 2009.

Proposal number 3 is an amendment of the Company's certificate of incorporation to increase the number of authorized shares of Common Stock from 200,000,000 to 350,000,000 and the polls will remain open solely with regard to this proposal. The Company undertook this measure due to the low vote turn out and the requirement that this proposal be approved by the holders of a majority of the outstanding shares which means proposal number 3 requires 50% +1 share vote in favor of this proposal. Less than the requisite number of shares for approval of the proposal were present at the original meeting.

The Company believes that the low turnout may be due to the fact that more than 40% of its outstanding shares are held outside the United States and that many of these shares are held at European banks that do not necessarily participate in the voting of proxies of American companies and therefore are less readily accessible for notification purposes. The shares held outside the United States are making it increasingly difficult for the Company to hold their Annual Meeting of Stockholders. European banks do not necessarily forward the proxy to European stockholders, and therefore these stockholders will need to contact their bank directly in order to exercise their right to vote.

Hemisphere's Board of Directors believes that the proposed increase in authorized shares of common stock will benefit the Company by providing flexibility to issue shares of common stock for general and corporate purposes, including a variety of business and financial objectives in the future without the necessity of delaying such activities for further stockholder approval, except as may be required in particular cases by our charter documents, applicable law or the rules of any stock exchange or national securities association trading system on which our securities may be listed or quoted. In addition, our Board of Directors could issue large blocks of shares of common stock to fend off unwanted tender offers or hostile takeovers without further stockholder approval.

THE BOARD OF DIRECTORS DEEMS PROPOSAL NO. 3 TO BE IN THE BEST INTERESTS OF HEMISPHERX AND ITS STOCKHOLDERS AND RECOMMENDS A VOTE "FOR" APPROVAL THEREOF.

For your review, we are including herein, an analysis from RiskMetrics, the largest proxy advisory firm, whose goal is to promote good corporate governance in the private sector and raise the level of responsible proxy voting among institutional investors and pension fund fiduciaries. This company

specializes in assisting institutional investors in fulfilling their fiduciary obligations with comprehensive proxy analysis. In addition, Glass Lewis & Co., the second largest proxy advisory firm, has also recommended in favor of proposal number 3.

Hemispherx urges all stockholders who owned shares on May 8, 2009 and have not already voted to do so immediately. Stockholders who have already voted, but would like to change their vote, may do so by casting another ballot. Please be advised that this applies to proposal number 3 only as the polls have closed on proposals 1, 2 and 4.

As noted above, a significant number of stockholders are domiciled in Europe and less readily accessible for notification purposes. European banks do not necessarily forward the proxy to European stockholders, and therefore these stockholders will need to contact their bank directly in order to exercise their right to vote.

For notice and access purposes, the Company has posted a copy of the proxy statement and annual report on the company's website at <http://www.hemispherx.net/content/investor/annualMeeting.asp>. For the non-U.S. residents, the company has also posted a blank proxy card, which they may use to instruct their bank to vote on their behalf. Some European banks will vote directly on behalf of the shareholder as instructed. Other banks will issue a legal proxy or certificate certifying the number of shares owned as of the record date (May 8, 2009), which must be accompanied by a signed and dated proxy card. These shares **do not need to be blocked**. The banks simply need to **certify the number of shares owned on May 8, 2009**. If needed, please forward a copy of the sample certificate posted on the website to your European bank.

The Company emphasizes the importance of your vote. If you are a U.S. resident, please take a moment to vote your shares via Internet, phone, or by mail. All other stockholders are encouraged to contact your custodian bank/broker at your earliest convenience.

For your convenience we have enclosed another proxy card and return envelope.

If you need assistance in voting your shares, Hemispherx suggests that you contact Morrow & Co., LLC, the firm assisting the Company with the Annual Meeting. Morrow & Co. can be contacted in the U.S. at 203-658-9400 or in London at +44-207-222-4645. Stockholders may also contact Dianne Will, Investor Relations for Hemispherx collect at 518-398-6222 or via e mail at dwill@willstar.net.

Thank you in advance for voting promptly and we thank you for your continued support.

Sincerely,

Board of Directors
Hemispherx Biopharma, Inc.

Corporate Headquarters

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Manufacturing

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RiskMetrics Group

ISS Governance Service
Hemispherx Biopharma, Inc., pages 7-8

US Proxy Advisory Services
Publication Date: June 10, 2009

Item 3: Increase Authorized Common Stock**FOR**

The board seeks shareholder approval to amend the company's certificate of incorporation to increase the number of authorized shares of common stock by 75 percent to 350,000,000 shares from 200,000,000 shares.

Details of this proposal and the company's utilization of its current authorized common stock are as follows:

Capital Request

Current authorized shares:	200,000,000	
Proposed increase in authorized shares:	150,000,000	
New authorization:	350,000,000	75%
Shares outstanding at record date:	85,127,002	
Shares reserved for legitimate business purposes (excludes shareholder rights plans and non-shareholder approved stock incentive plans):* <i>Excludes shares requested under Item 4</i>	*41,955,076	
Shares outstanding and reserved:	127,082,078	
Shares available for issue (pre-increase):	72,917,922	
Shares available for issue (post-increase):	222,917,922	
Shares available (post-increase) as a % of new authorization:	63.7%	

US Standard Policy

Recommendations on proposals to increase the number of shares of common or preferred stock authorized for issuance are determined on a CASE-BY-CASE basis. RMG will consider company-specific factors which include, at a minimum, the following:

- Specific reasons/rationale for the proposed increase;
- The dilutive impact of the request as determined through an allowable cap generated by RMG's quantitative model;
- The board's governance structure and practices; and
- Risks to shareholders of not approving the request.

Rationale

Management states that the additional authorized shares would provide the company with greater flexibility to issue shares of common stock for general and corporate purposes, including a variety of

business and financial objectives in the future. Management anticipates the issuance of shares of common stock (i) under the Employee Wage Or Hours Reduction Program to certain vendors and service providers who agree to accept stock in lieu of cash for their services, (ii) upon closing of a May 2009 placement, (iii) upon exercise of outstanding warrants (including those to be issued in the May 2009 placement), and (iv) under the common stock purchase agreement with Fusion Capital Fund II, LLC. While the board believes that there is a sufficient number of authorized, but unissued and unreserved shares of common stock for these purposes, the board states that it is possible that some of the shares that would be authorized upon shareholder approval of this proposal would be used for these purposes.

Management also states that in the future the company may: (i) attempt to raise capital through the sale of common stock or securities convertible into or exercisable for shares of common stock; (ii) acquire additional assets with the common stock; and (iii) facilitate an agreement with a potential partner regarding the marketing, distribution, or manufacturing of the company's products, Ampligen or Alferon, in part through the issuance of common stock. However, the board does not have any current plans to issue any of the shares that would be authorized upon shareholder approval of this proposal.

Allowable Increase Determined by RMG Quantitative Model

Requests for additional capital are analyzed on a case-by-case basis after considering the proposals submitted by peer companies and company performance as measured by three-year total shareholder returns. A base threshold level for establishing an adequate reserve pool may then be adjusted upward for companies using shares for legitimate business purposes such as a history of stock splits and reasonable stock-based incentive plans.

SIC Code: 2836

Proposed increase in authorized shares:	150,000,000
Allowable increase in authorized shares:	230,000,000
Below allowable threshold by:	80,000,000

Governance Structure

In the case of Hemispherx Biopharma, Inc., the board is annually elected, 60 percent of the directors are independent, and the key board committees include only independent directors. Additionally, the board has not ignored any majority-supported shareholder proposals in the past. Further, all equity-based compensation plans have been approved by shareholders and the equity compensation burn rate is reasonable. However, the company maintains a non-shareholder approved poison pill.

Risks

The company has not indicated in its proxy statement that there would be a material impact if this proposal is not approved by shareholders.

Conclusion

We are highlighting that the company maintains a non-shareholder approved poison pill. However, on balance, the proposal warrants support given the rationale and the reasonable size of the request.

Vote FOR Item 3.

US Standard Policy