As filed with the Securities and Exchange Commission on August 2, 2010

Registration No. 333-_____

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

AETHLON MEDICAL, INC.
(Exact name of registrant as specified in its charter)

Nevada	13-3632859
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)
8910 University Center Lane, Suite 660 San Diego, California	92122
(Address of principal executive offices)	(Zip Code)

AETHLON MEDICAL, INC.
2010 STOCK INCENTIVE PLAN

INDIVIDUAL RESTRICTED STOCK AWARD
(Full titles of the plans)

James A. Joyce
8910 University Center Lane, Suite 660
San Diego, California 92122
(Name and address of agent for service)

(858) 458-7800
(Telephone number, including area code, of agent for service)

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

Large accelerated filer ☐
Non-accelerated filer ☐
(Do not check if a smaller reporting company)

Accelerated filer ☐
Smaller reporting company ☒

CALCULATION OF REGISTRATION FEE

Title of securities to be registered	Amount to be registered (1)	Proposed maximum offering price per share (2)	Proposed maximum aggregate offering price (2)	Amount of registration fee
Common Stock, par value $0.001	3,500,000 shares (3)	$ 0.2585	$ 904,750	$ 64.51
Common Stock, par value $0.001	4,000,000 shares (4)	$ 0.2585	$ 1,034,000	$ 73.72
Total	7,500,000 shares	$ 0.2585	$ 1,938,750	$ 138.23

(1) Pursuant to Rule 416 of the Securities Act, this Registration Statement also shall cover any additional shares of common stock that shall become issuable by reason of any stock dividend, stock split, recapitalization, or other similar transaction by the Registrant.

(2) Estimated pursuant to Rule 457(h) of the Securities Act solely for purposes of calculating amount of the registration fee, based upon the average of the high and low prices reported on July 30, 2010, as reported on the OTC Electronic Bulletin Board.

(3) Represents shares issuable under the registrant's 2010 Stock Incentive Plan.

(4) Represents shares issued or to be issued pursuant to a grant by the registrant to its Chief Executive Officer, James A. Joyce.

PART I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

Information required in Part I of Form S-8 to be contained in a prospectus meeting the requirements of Section 10(a) of the Securities Act is not required to be filed with the Commission and is omitted from this Registration Statement in accordance with the explanatory note to Part I of Form S-8 and Rule 428(b)(1) under the Securities Act.

REOFFER PROSPECTUS

Aethlon Medical, Inc.

7,500,000 Shares of Common Stock

This reoffer prospectus relates to up to 7,500,000 shares of our common stock that may be offered and resold from time to time by the selling stockholders to be identified herein for their own account. We anticipate that the selling stockholders will be current or former directors, officers, employees, consultants or advisers of our company. We will not receive any proceeds from the sale of shares made by selling stockholders. We anticipate that selling stockholders will sell at prevailing prices quoted on the OTC Bulletin Board or at privately negotiated prices. The selling stockholders will bear any applicable sales commissions, transfer taxes and similar expenses. We will pay all other expenses incident to the registration of the shares.

Our common stock currently is quoted on the OTC Bulletin Board under the symbol "AEMD."

An investment in our common stock involves a high degree of risk. You should purchase our securities only if you can afford a complete loss of your investment. See "Risk Factors" beginning at page 1.

NEITHER THE SECURITIES AND EXCHANGE COMMISSION NOR ANY STATE SECURITIES COMMISSION HAS APPROVED OR DISAPPROVED OF THESE SECURITIES OR DETERMINED IF THIS PROSPECTUS IS TRUTHFUL OR COMPLETE. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

The date of this reoffer prospectus is August 2, 2010.

AETHLON MEDICAL, INC.

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OUR COMPANY

Aethlon Medical, Inc. (the "Company," "we" or "us") is a developmental stage company focused on creating medical devices that address infectious disease and cancer. Our devices are designed to be novel platform solutions that fill significant therapeutic voids or aid in disease diagnosis and monitoring. We believe that our Hemopurifier(R) is the first medical device to selectively target the removal of infectious viruses and immunosuppressive proteins from the entire circulatory system. We have also discovered that our Hemopurifier(R) captures tumor-secreted exosomes, known to kill off the immune cells of those afflicted with cancer. Currently, a therapeutic strategy to directly inhibit or reverse the immunosuppressive destruction caused by exosomes does not exist in cancer care but we believe the Hemopurifier(R) can be developed for that use. By eliminating this mechanism deployed by all cancers to survive, we believe our Hemopurifier(R) could fill an unmet clinical need that offers the potential benefit of an immune-based therapy without adding drug toxicity or interaction risks to established and emerging treatment strategies. Through in vitro studies we have demonstrated that our Hemopurifier(R) captures exosomes underlying ovarian cancer and have since initiated collaborations with universities and research institutes to determine if the Hemopurifier(R) has broad-spectrum capability to address exosomes underlying other types of cancers. Upon the completion of in vitro studies, we also hope to initiate human pilot studies to demonstrate the clinical effect of removing exosomes from cancer patients.

Our website address is www.aethlonmedical.com. Our website and the information contained on our website are not incorporated into this prospectus or the Registration Statement of which it forms a part.

Our principal executive offices are located at 8910 University Center Lane, Suite 660, San Diego, California 92122.

RISK FACTORS

An investment in our common shares involves a high degree of risk and is subject to many uncertainties. These risks and uncertainties may adversely affect our business, operating results and financial condition. In such an event, the trading price for our common shares could decline substantially, and you could lose all or part of your investment. In order to attain an appreciation for these risks and uncertainties, you should read this prospectus in its entirety and consider all of the information and advisements contained in this prospectus, including the following risk factors and uncertainties.

RISKS RELATING TO OUR BUSINESS

WE HAVE INCURRED SIGNIFICANT LOSSES AND EXPECT LOSSES TO CONTINUE FOR THE FORESEEABLE FUTURE.

We have yet to establish any history of profitable operations. We have incurred annual operating losses of $2,848,892 and $2,923,254, for the fiscal years ended March 31, 2010 and 2009, respectively. At March 31, 2010 and 2009, we had an accumulated deficit of $42,760,510 and $38,311,414, respectively. We have incurred net losses of $4,573,315 and $6,084,158 for the fiscal years ended March 31, 2010 and 2009. We have not had significant revenues to date. We expect that our revenues, if any, will not be sufficient to sustain our operations for the foreseeable future. Our profitability will require the successful commercialization of our Hemopurifier(R) technology. No assurances can be given when or if this will occur or that we will ever generate revenues or be profitable.

WE HAVE RECEIVED AN EXPLANATORY PARAGRAPH FROM OUR AUDITORS REGARDING OUR ABILITY TO CONTINUE AS A GOING CONCERN

Our independent registered public accounting firm noted in their report accompanying our financial statements in our Annual Report on Form 10-K for our fiscal year ended March 31, 2010 that we had a significant deficit accumulated during the development stage, had a working capital deficit and that a significant amount of additional capital will be necessary to advance the development of our products to the point at which we may become commercially viable and stated that those conditions raised substantial doubt about our ability to continue as a going concern. Note 1 to our financial statements for the year ended March 31, 2010 describes management's plans to address these matters. We cannot assure you that our business plans will be successful in addressing these issues. This explanatory paragraph about our ability to continue as a going concern could affect our ability to obtain additional financing at favorable terms, if at all, as it may cause investors to lose faith in our long-term prospects. If we cannot successfully continue as a going concern, our shareholders may lose their entire investment in our common shares.

WE WILL REQUIRE ADDITIONAL FINANCING TO SUSTAIN OUR OPERATIONS AND WITHOUT IT WE WILL NOT BE ABLE TO CONTINUE OPERATIONS.

Should the financing we require to sustain our working capital needs be unavailable to us on reasonable terms when we require it, the consequences could be a material adverse effect on our business, operating results, financial condition and prospects. If we cannot raise operating capital, we may be forced to cease operations.

WE ARE RELIANT UPON LICENSES OF PATENTS AND TECHNOLOGIES FROM THIRD PARTIES FOR THE DEVELOPMENT OF CERTAIN APPLICATIONS AND USES OF OUR DEVICES; THE TERMINATION OF ANY SUCH LICENSE, OR A CHALLENGE TO THE PATENT AND INTELLECTUAL PROPERTY UNDERLYING SUCH LICENSE COULD HAVE A MATERIAL AND ADVERSE EFFECT UPON OUR ABILITY TO CONTINUE THE DEVELOPMENT OF OUR DEVICES IN CERTAIN FIELDS OF USE, WHICH WOULD ADVERSELY AFFECT OUR BUSINESS PROSPECTS AND THE VALUE OF YOUR INVESTMENT IN OUR SECURITIES.

We rely upon third party licenses for the development of specific uses for our Hemopurifer® devices, including in the area of cancer treatment. Specifically, we are researching, developing and testing cancer-related applications for our devices under a license with Boston University and with the London Health Science Center Research, Inc. and Mr. Thomas Ichim. Should either of these licenses be prematurely terminated for any reason, or should the patents and intellectual property owned by such entities that we have licensed be challenged or defeated by third parties, our research efforts could be materially and adversely affected. There can be no assurances that these licenses will continue in force for as long as we require for our research, development and testing of cancer treatments. There can be no assurances that should these licenses terminate, or should the underlying patents and intellectual property be challenged or defeated, that suitable replacements can be obtained or developed on terms acceptable to the Company, if at all.

WE WILL FACE INTENSE COMPETITION FROM COMPANIES THAT HAVE GREATER FINANCIAL, PERSONNEL AND RESEARCH AND DEVELOPMENT RESOURCES THAN OURS. THESE COMPETITIVE FORCES MAY IMPACT OUR PROJECTED GROWTH AND ABILITY TO GENERATE REVENUES AND PROFITS, WHICH WOULD HAVE A NEGATIVE IMPACT ON OUR BUSINESS AND THE VALUE OF YOUR INVESTMENT.

Our competitors are developing vaccine candidates, which could compete with the Hemopurifier(R) medical device candidates we are developing. Our commercial opportunities will be reduced or eliminated if our competitors develop and market products for any of the diseases we target that:

- are more effective;

- have fewer or less severe adverse side effects;
- are better tolerated;
- are more adaptable to various modes of dosing;
- are easier to administer; or
- are less expensive than the products or product candidates we are developing.

Even if we are successful in developing effective Hemopurifier(R) products, and obtain FDA and other regulatory approvals necessary for commercializing them, our products may not compete effectively with other successful products. Researchers are continually learning more about diseases, which may lead to new technologies for treatment. Our competitors may succeed in developing and marketing products that are either more effective than those that we may develop, alone or with our collaborators, or that are marketed before any products we develop are marketed.

The Congress' passage of the Project BioShield Bill, a comprehensive effort to develop and make available modern, effective drugs and vaccines to protect against attack by biological and chemical weapons or other dangerous pathogens, may encourage competitors to develop their own product candidates. We cannot predict the decisions that will be made in the future by the various government agencies as a result of such legislation.

Our competitors include fully integrated pharmaceutical companies and biotechnology companies as well as universities and public and private research institutions. Many of the organizations competing with us, have substantially greater capital resources, larger research and development staffs and facilities, greater experience in product development and in obtaining regulatory approvals, and greater marketing capabilities than we do.

The market for medical devices is intensely competitive. Many of our potential competitors have longer operating histories, greater name recognition, more employees, and significantly greater financial, technical, marketing, public relations, and distribution resources than we have. This intense competitive environment may require us to make changes in our products, pricing, licensing, services or marketing to develop, maintain and extend our current technology. Price concessions or the emergence of other pricing or distribution strategies of competitors may diminish our revenues (if any), adversely impact our margins or lead to a reduction in our market share (if any), any of which may harm our business.

WE HAVE LIMITED MANUFACTURING EXPERIENCE.

To achieve the levels of production necessary to commercialize our Hemopurifier(R) products, we will need to secure manufacturing agreements with contract manufacturers which comply with good manufacturing practice standards and other standards prescribed by various federal, state and local regulatory agencies in the U.S. and any other country of use.

We have limited experience manufacturing products for testing purposes and no experience manufacturing products for large scale commercial purposes. We will likely outsource the manufacture of our Hemopurifier(R) products to third parties operating FDA-certified facilities. To date, we have manufactured devices on a small scale for testing purposes and have begun to utilize the services of a contract manufacturer. There can be no assurance that manufacturing and control problems will not arise as we attempt to commercialize our products or that such manufacturing can be completed in a timely manner or at a commercially reasonable cost. Any failure to address such problems could delay or prevent commercialization of our products and would have a material adverse effect on us.

OUR HEMOPURIFIER(R) TECHNOLOGY MAY BECOME OBSOLETE.

Our Hemopurifier(R) products may be made unmarketable by new scientific or technological developments where new treatment modalities are introduced that are more efficacious and/or more economical than our Hemopurifier(R) products. The Homeland Security industry is growing rapidly with many competitors trying to develop products or vaccines to protect against infectious disease. Any one of our competitors could develop a more effective product which would render our technology obsolete.

OUR USE OF HAZARDOUS MATERIALS, CHEMICALS AND VIRUSES REQUIRES US TO COMPLY WITH REGULATORY REQUIREMENTS AND EXPOSES US TO POTENTIAL LIABILITIES.

Our research and development involves the controlled use of hazardous materials, chemicals and viruses. The primary hazardous materials include chemicals needed to construct the Hemopurifier(R) cartridges and the infected plasma samples used in preclinical testing of the Hemopurifier(R). All chemicals are fully inventoried and reported to the appropriate authorities, such as the fire department, who inspect the facility on a regular basis. We are subject to federal, state, local and foreign laws governing the use, manufacture, storage, handling and disposal of such materials. Although we believe that our safety procedures for the use, manufacture, storage, handling and disposal of such materials comply with the standards prescribed by federal, state, local and foreign regulations, we cannot completely eliminate the risk of accidental contamination or injury from these materials. We have had no incidents or problems involving hazardous chemicals or biological samples. In the event of such an accident, we could be held liable for significant damages or fines. We currently carry a limited amount of insurance to protect us from these damages. In addition, we may be required to incur significant costs to comply with regulatory requirements in the future.

WE ARE DEPENDENT FOR OUR SUCCESS ON A FEW KEY EXECUTIVE OFFICERS. OUR INABILITY TO RETAIN THOSE OFFICERS WOULD IMPEDE OUR BUSINESS PLAN AND GROWTH STRATEGIES, WHICH WOULD HAVE A NEGATIVE IMPACT ON OUR BUSINESS AND THE VALUE OF YOUR INVESTMENT.

Our success depends to a critical extent on the continued services of our Chief Executive Officer, James A. Joyce, and our Chief Science Officer, Richard H. Tullis. Were we to lose one or both of these key executive officers, we would be forced to expend significant time and money in the pursuit of a replacement, which would result in both a delay in the implementation of our business plan and the diversion of limited working capital. The loss of Dr. Tullis would harm the clinical development of our products due to his unique experience with the Hemopurifier(R) technology. The loss of Dr. Tullis and/or Mr. Joyce would be detrimental to our growth as they possess unique knowledge of our business model and infectious disease which would be difficult to replace within the biotechnology field. We can give you no assurance that we can find satisfactory replacements for these key executive officers at all, or on terms that are not unduly expensive or burdensome to our company. Although Mr. Joyce and Dr. Tullis have signed employment agreements providing for their continued service to our company, these agreements will not preclude them from leaving our company. We do not currently carry key man life insurance policies on any of our key executive officers which would assist us in recouping our costs in the event of the loss of those officers.

OUR INABILITY TO ATTRACT AND RETAIN QUALIFIED PERSONNEL COULD IMPEDE OUR ABILITY TO GENERATE REVENUES AND PROFITS AND TO OTHERWISE IMPLEMENT OUR BUSINESS PLAN AND GROWTH STRATEGIES, WHICH WOULD HAVE A NEGATIVE IMPACT ON OUR BUSINESS AND COULD ADVERSELY AFFECT THE VALUE OF YOUR INVESTMENT.

We currently have an extremely small staff comprised of four full-time employees consisting of our Chief Executive Officer, our Chief Science Officer, a research scientist and an executive assistant. We also employ a Senior Vice President - Finance, a Director of Business Development and a Director of Corporate Communications on a contract basis. Although we believe that these employees and consultants will be able to handle most of our additional administrative, research and development and business development in the near term, we will nevertheless be required over the longer-term to hire highly skilled managerial, scientific and administrative personnel to fully implement our business plan and growth strategies. Due to the specialized scientific nature of our business, we are highly dependent upon our ability to attract and retain qualified scientific, technical and managerial personal. Competition for these individuals, especially in San Diego where many biotechnology companies are located, is intense and we may not be able to attract, assimilate or retain additional highly qualified personnel in the future. We cannot assure you that we will be able to engage the services of such qualified personnel at competitive prices or at all, particularly given the risks of employment attributable to our limited financial resources and lack of an established track record.

WE PLAN TO GROW RAPIDLY, WHICH WILL PLACE STRAINS ON OUR MANAGEMENT TEAM AND OTHER COMPANY RESOURCES TO BOTH IMPLEMENT MORE SOPHISTICATED MANAGERIAL, OPERATIONAL AND FINANCIAL SYSTEMS, PROCEDURES AND CONTROLS AND TO TRAIN AND MANAGE THE PERSONNEL NECESSARY TO IMPLEMENT THOSE FUNCTIONS. OUR INABILITY TO MANAGE OUR GROWTH COULD IMPEDE OUR ABILITY TO GENERATE REVENUES AND PROFITS AND TO OTHERWISE IMPLEMENT OUR BUSINESS PLAN AND GROWTH STRATEGIES, WHICH WOULD HAVE A NEGATIVE IMPACT ON OUR BUSINESS AND THE VALUE OF YOUR INVESTMENT.

We will need to significantly expand our operations to implement our longer-term business plan and growth strategies. We will also be required to manage multiple relationships with various strategic partners, technology licensors, customers, manufacturers and suppliers, consultants and other third parties. This expansion and these expanded relationships will require us to significantly improve or replace our existing managerial, operational and financial systems, procedures and controls; to improve the coordination between our various corporate functions; and to manage, train, motivate and maintain a growing employee base. The time and costs to effectuate these steps may place a significant strain on our management personnel, systems and resources, particularly given the limited amount of financial resources and skilled employees that may be available at the time. We cannot assure you that we will institute, in a timely manner or at all, the improvements to our managerial, operational and financial systems, procedures and controls necessary to support our anticipated increased levels of operations and to coordinate our various corporate functions, or that we will be able to properly manage, train, motivate and retain our anticipated increased employee base.

WE MAY HAVE DIFFICULTY IN ATTRACTING AND RETAINING MANAGEMENT AND OUTSIDE INDEPENDENT MEMBERS TO OUR BOARD OF DIRECTORS AS A RESULT OF THEIR CONCERNS RELATING TO THEIR INCREASED PERSONAL EXPOSURE TO LAWSUITS AND SHAREHOLDER CLAIMS BY VIRTUE OF HOLDING THESE POSITIONS IN A PUBLICLY HELD COMPANY.

The directors and management of publicly traded corporations are increasingly concerned with the extent of their personal exposure to lawsuits and shareholder claims, as well as governmental and creditor claims which may be made against them, particularly in view of recent changes in securities laws imposing additional duties, obligations and liabilities on management and directors. Due to these perceived risks, directors and management are also becoming increasingly concerned with the availability of directors and officers liability insurance to pay on a timely basis the costs incurred in defending such claims. We currently do carry limited directors and officers liability insurance. Directors and officers liability insurance is expensive and difficult to obtain. If we are unable to continue or provide directors and officers liability insurance at affordable rates or at all, it may become increasingly more difficult to attract and retain qualified outside directors to serve on our board of directors. We may lose potential independent board members and management candidates to other companies in the biotechnology field that have greater directors and officers liability insurance to insure them from liability or to biotechnology companies that have revenues or have received greater funding to date which can offer greater compensation packages. The fees of directors are also rising in response to their increased duties, obligations and liabilities as well as increased exposure to such risks. As a company with a limited operating history and limited resources, we will have a more difficult time attracting and retaining management and outside independent directors than a more established company due to these enhanced duties, obligations and liabilities.

OUR INABILITY TO PROTECT OUR INTELLECTUAL PROPERTY RIGHTS, INCLUDING OUR U.S. AND INTERNATIONAL PATENTS COULD NEGATIVELY IMPACT OUR PROJECTED GROWTH AND ABILITY TO GENERATE REVENUES AND PROFITS, WHICH WOULD HAVE A NEGATIVE IMPACT ON OUR BUSINESS AND THE VALUE OF YOUR INVESTMENT.

We rely on a combination of patents, patents pending, copyrights, trademark and trade secret laws, proprietary rights agreements and non-disclosure agreements to protect our intellectual properties. We cannot give you any assurance that these measures will prove to be effective in protecting our intellectual properties.

In the case of patents, we cannot give you any assurance that our existing patents will not be invalidated, that any patents that we currently or prospectively apply for will be granted, or that any of these patents will ultimately provide significant commercial benefits. Further, competing companies may circumvent any patents that we may hold by developing products which closely emulate but do not infringe our patents. While we intend to seek patent protection for our products in selected foreign countries, those patents may not receive the same degree of protection as they would in the United States. We can give you no assurance that we will be able to successfully defend our patents and proprietary rights in any action we may file for patent infringement. Similarly, we cannot give you any assurance that we will not be required to defend against litigation involving the patents or proprietary rights of others, or that we will be able to obtain licenses for these rights. Legal and accounting costs relating to prosecuting or defending patent infringement litigation may be substantial. We believe that certain patent applications filed and/or other patents issued more recently will help to protect the proprietary nature of the Hemopurifier(R) treatment technology.

The Hemopurifier(R) and related treatment approaches are protected by three issued U.S. patents and seven issued international patents. We have also applied for five additional U.S. patents and twenty-one additional international patents.

We also rely on proprietary designs, technologies, processes and know-how not eligible for patent protection. We cannot give you any assurance that our competitors will not independently develop the same or superior designs, technologies, processes and know-how.

While we have and will continue to enter into proprietary rights agreements with our employees and third parties giving us proprietary rights to certain technology developed by those employees or parties while engaged by our company, we can give you no assurance that courts of competent jurisdiction will enforce those agreements.

IF WE FAIL TO COMPLY WITH EXTENSIVE REGULATIONS OF DOMESTIC AND FOREIGN REGULATORY AUTHORITIES, THE COMMERCIALIZATION OF OUR PRODUCT CANDIDATES COULD BE PREVENTED OR DELAYED.

Our pathogen filtration devices, or Hemopurifier(R) products, are subject to extensive government regulations related to development, testing, manufacturing and commercialization in the U.S. and other countries. The determination of when and whether a product is ready for large-scale purchase and potential use will be made by the U.S. government through consultation with a number of governmental agencies, including the FDA, the National Institutes of Health, the Centers for Disease Control and Prevention and the Department of Homeland Security. Our product candidates are in the pre-clinical and clinical stages of development and have not received required regulatory approval from the FDA to be commercially marketed and sold. The process of obtaining and complying with FDA and other governmental regulatory approvals and regulations is costly, time consuming, uncertain and subject to unanticipated delays. Such regulatory approval (if any) and product development requires several years. Despite the time and expense exerted, regulatory approval is never guaranteed. We also are subject to the following risks and obligations, among others.

- The FDA may refuse to approve an application if they believe that applicable regulatory criteria are not satisfied.
- The FDA may require additional testing for safety and effectiveness.
- The FDA may interpret data from pre-clinical testing and clinical trials in different ways than we interpret them.
- If regulatory approval of a product is granted, the approval may be limited to specific indications or limited with respect to its distribution.
- The FDA may change their approval policies and/or adopt new regulations.

Failure to comply with these or other regulatory requirements of the FDA may subject us to administrative or judicially imposed sanctions, including:

- warning letters;
- civil penalties;
- criminal penalties;
- injunctions;

- product seizure or detention;
- product recalls; and
- total or partial suspension of productions.

DELAYS IN SUCCESSFULLY COMPLETING OUR CLINICAL TRIALS COULD JEOPARDIZE OUR ABILITY TO OBTAIN REGULATORY APPROVAL OR MARKET OUR HEMOPURIFIER(R) PRODUCT CANDIDATES ON A TIMELY BASIS.

Our business prospects will depend on our ability to complete clinical trials, obtain satisfactory results, obtain required regulatory approvals and successfully commercialize our Hemopurifier(R) product candidates. Completion of our clinical trials, announcement of results of the trials and our ability to obtain regulatory approvals could be delayed for a variety of reasons, including:

- serious adverse events related to our medical device candidates;
- unsatisfactory results of any clinical trial;
- the failure of our principal third-party investigators to perform our clinical trials on our anticipated schedules; and/or
- different interpretations of our pre-clinical and clinical data, which could initially lead to inconclusive results.

Our development costs will increase if we have material delays in any clinical trial or if we need to perform more or larger clinical trials than planned. If the delays are significant, or if any of our Hemopurifier(R) product candidates do not prove to be safe or effective or do not receive required regulatory approvals, our financial results and the commercial prospects for our product candidates will be harmed. Furthermore, our inability to complete our clinical trials in a timely manner could jeopardize our ability to obtain regulatory approval.

THE INDEPENDENT CLINICAL INVESTIGATORS THAT WE RELY UPON TO CONDUCT OUR CLINICAL TRIALS MAY NOT BE DILIGENT, CAREFUL OR TIMELY, AND MAY MAKE MISTAKES, IN THE CONDUCT OF OUR CLINICAL TRIALS.

We depend on independent clinical investigators to conduct our clinical trials. The investigators are not our employees, and we cannot control the amount or timing of resources that they devote to our product development programs. If independent investigators fail to devote sufficient time and resources to our product development programs, or if their performance is substandard, it may delay FDA approval of our medical device candidates. These independent investigators may also have relationships with other commercial entities, some of which may compete with us. If these independent investigators assist our competitors at our expense, it could harm our competitive position.

WE MAY FAIL TO OBTAIN GOVERNMENT CONTRACTS TO DEVELOP OUR HEMOPURIFIER(R) TECHNOLOGY FOR BIODEFENSE APPLICATIONS.

The U.S. Government has undertaken commitments to help secure improved countermeasures against bioterrorism. To date, we have been unsuccessful in obtaining grant income. As a result, future attempts to obtain grant income from the Federal Government will be sought through direct communication to government health and military agencies, and may include unsolicited proposals to provide the Hemopurifier(R) as a treatment countermeasure.

At present, the Hemopurifier(R) has not been approved for use by any U.S. Government agency, nor have we received any contracts to purchase the Hemopurifier(R). Since inception, we have not generated revenues from the sale of any product based on our Hemopurifier(R) technology platform. The process of obtaining government contracts is lengthy with the uncertainty that we will be successful in obtaining announced grants or contracts for therapeutics as a medical device technology. Accordingly, we cannot be certain that we will be awarded any U.S. Government grants or contracts utilizing our Hemopurifier(R) platform technology.

U.S. GOVERNMENT AGENCIES HAVE SPECIAL CONTRACTING REQUIREMENTS, WHICH CREATE ADDITIONAL RISKS.

Our business plan to provide biodefense product candidates may involve contracts with the U.S. Government. U.S. Government contracts typically contain unfavorable termination provisions and are subject to audit and modification by the government at its sole discretion, which subjects us to additional risks. These risks include the ability of the U.S. Government to unilaterally:

- suspend or prevent us for a period of time from receiving new contracts or extending existing contracts based on violations or suspected violations of laws or regulations;
- audit and object to our contract-related costs and fees, including allocated indirect costs;
- control and potentially prohibit the export of our products; and
- change certain terms and conditions in our contracts.

If we were to become a U.S. Government contractor, we would be required to comply with applicable laws, regulations and standards relating to our accounting practices and would be subject to periodic audits and reviews. As part of any such audit or review, the U.S. Government may review the adequacy of, and our compliance with, our internal control systems and policies, including those relating to our purchasing, property, estimating, compensation and management information systems. Based on the results of its audits, the U.S. Government may adjust our contract-related costs and fees, including allocated indirect costs. In addition, if an audit or review uncovers any improper or illegal activity, we would possibly be subject to civil and criminal penalties and administrative sanctions, including termination of our contracts, forfeiture of profits, suspension of payments, fines and suspension or prohibition from doing business with the U.S. Government. We could also suffer serious harm to our reputation if allegations of impropriety were made against us. Although adjustments arising from government audits and reviews have not seriously harmed our business in the past, future audits and reviews could cause adverse effects. In addition, under U.S. Government purchasing regulations, some of our costs, including most financing costs, amortization of intangible assets, portions of our research and development costs, and some marketing expenses, would possibly not be reimbursable or allowed under such contracts. Further, as a U.S. Government contractor, we would be subject to an increased risk of investigations, criminal prosecution, civil fraud, whistleblower lawsuits and other legal actions and liabilities to which purely private sector companies are not.

THE APPROVAL REQUIREMENTS FOR MEDICAL PRODUCTS USED TO FIGHT BIOTERRORISM ARE STILL EVOLVING, AND WE CANNOT BE CERTAIN THAT ANY PRODUCTS WE DEVELOP, IF EFFECTIVE, WOULD MEET THESE REQUIREMENTS.

We are developing product candidates based upon current governmental policies regulating these medical countermeasure treatments. For instance, we intend to pursue FDA approval of our proprietary pathogen filtration devices to treat infectious agents under requirements published by the FDA that allow the FDA to approve certain medical devices used to reduce or prevent the toxicity of chemical, biological, radiological or nuclear substances based on human clinical data to demonstrate safety and immune response, and evidence of effectiveness derived from appropriate animal studies and any additional supporting data. Our business is subject to substantial risk because these policies may change suddenly and unpredictably and in ways that could impair our ability to obtain regulatory approval of these products, and we cannot guarantee that the FDA will approve our proprietary pathogen filtration devices.

OUR PRODUCT DEVELOPMENT EFFORTS MAY NOT YIELD MARKETABLE PRODUCTS DUE TO RESULTS OF STUDIES OR TRIALS, FAILURE TO ACHIEVE REGULATORY APPROVALS OR MARKET ACCEPTANCE, PROPRIETARY RIGHTS OF OTHERS OR MANUFACTURING ISSUES.

Our success depends on our ability to successfully develop and obtain regulatory approval to market new filtration devices. We expect that a significant portion of the research that we will conduct will involve new and unproven technologies. Development of a product requires substantial technical, financial and human resources even if the product is not successfully completed.

Our previously planned products have not become marketable products due in part to our transition in 2001 from a focus on utilizing our Hemopurifier(R) technology on treating harmful metals to treating infectious diseases prior to our having completed the FDA approval process. Our transition was made in order to focus on larger markets with an urgent need for new treatment and to take advantage of the greater sense of urgency surrounding acute and chronic infectious diseases. Prior to initiating the development of infectious disease Hemopurifiers(R), we successfully completed an FDA approved Phase I human safety trial of a Hemopurifier(R) to treat aluminum and iron intoxication. Since changing the focus to infectious disease research, we have not initiated an FDA approved human clinical trial as the development of the technology is still continuing and will require both significant capital and scientific resources. Our pending products face similar challenges of obtaining successful clinical trials in route to gaining FDA approval prior to commercialization. Additionally, our limited financial resources hinder the speed of our product development due to personnel constraints.

Our potential products may appear to be promising at various stages of development yet fail to reach the market for a number of reasons, including the:

- lack of adequate quality or sufficient prevention benefit, or unacceptable safety during pre-clinical studies or clinical trials;
- failure to receive necessary regulatory approvals;
- existence of proprietary rights of third parties; and/or
- inability to develop manufacturing methods that are efficient, cost-effective and capable of meeting stringent regulatory standards.

THE PATENTS WE OWN COMPRISE A MAJORITY OF OUR ASSETS WHICH COULD LIMIT OUR FINANCIAL VIABILITY.

The Hemopurifier(R) is protected by three issued U.S. patents and seven issued international patents. One of the U.S. patents is covered via an exclusive license. Our exclusive license expires March 2020 and is subject to termination if the inventors have not received a minimum of $15,000 in any year during the term beginning in the second year after the FDA approves the Hemopurifier(R). These patents comprise a majority of our assets. At March 31, 2010, our intellectual property assets comprise 31% of our non-current assets, and 22% of total assets. If our existing patents are invalidated or if they fail to provide significant commercial benefits, it will severely hurt our financial condition as a majority of our assets would lose their value. Further, since the financial value of our patents is written down for accounting purposes over the course of their term until they expire, our assets comprised of patents will continually be written down until they lose value altogether.

LEGISLATIVE ACTIONS AND POTENTIAL NEW ACCOUNTING PRONOUNCEMENTS ARE LIKELY TO IMPACT OUR FUTURE FINANCIAL POSITION AND RESULTS OF OPERATIONS.

There have been regulatory changes, including the Sarbanes-Oxley Act of 2002, and there may potentially be new accounting pronouncements or additional regulatory rulings which will have an impact on our future financial position and results of operations. The Sarbanes-Oxley Act of 2002 and other rule changes as well as proposed legislative initiatives following the Enron bankruptcy have increased our general and administrative costs as we have incurred increased legal and accounting fees to comply with such rule changes. Further, proposed initiatives are expected to result in changes in certain accounting rules, including legislative and other proposals to account for financial instruments at fair value. These and other potential changes could materially increase the expenses we report under accounting principles generally accepted in the United States of America, and adversely affect our operating results.

OUR PRODUCTS MAY BE SUBJECT TO RECALL OR PRODUCT LIABILITY CLAIMS.

Our Hemopurifier(R) products may be used in connection with medical procedures in which it is important that those products function with precision and accuracy. If our products do not function as designed, or are designed improperly, we may be forced by regulatory agencies to withdraw such products from the market. In addition, if medical personnel or their patients suffer injury as a result of any failure of our products to function as designed, or our products are designed inappropriately, we may be subject to lawsuits seeking significant compensatory and punitive damages. The risk of product liability claims, product recalls and associated adverse publicity is inherent in the testing, manufacturing, marketing and sale of medical products. We do not have general clinical trial liability insurance coverage. There can be no assurance that future insurance coverage will to be adequate or available. We may not be able to secure product liability insurance coverage on acceptable terms or at reasonable costs when needed. Any product recall or lawsuit seeking significant monetary damages may have a material affect on our business and financial condition. Any liability for monetary damages could exceed the amount of our coverage. Moreover, a product recall could generate substantial negative publicity about our products and business and inhibit or prevent commercialization of other future product candidates.

POLITICAL OR SOCIAL FACTORS MAY DELAY OR IMPAIR OUR ABILITY TO MARKET OUR PRODUCTS.

Products developed to treat diseases caused by or to combat the threat of bioterrorism will be subject to changing political and social environments. The political and social responses to bioterrorism have been highly charged and unpredictable. Political or social pressures may delay or cause resistance to bringing our products to market or limit pricing of our products, which would harm our business. Bioterrorism has become the focus of political debates both in terms of how to approach bioterrorism and the amount of funding the government should provide for any programs involving homeland protection. Government funding for products on bioterrorism could be reduced which would hinder our ability to obtain governmental grants.

RISKS RELATING TO AN INVESTMENT IN OUR SECURITIES

TO DATE, WE HAVE NOT PAID ANY CASH DIVIDENDS AND NO CASH DIVIDENDS WILL BE PAID IN THE FORESEEABLE FUTURE.

We do not anticipate paying cash dividends on our common shares in the foreseeable future, and we cannot assure an investor that funds will be legally available to pay dividends, or that even if the funds are legally available, that the dividends will be paid.

THE APPLICATION OF THE "PENNY STOCK" RULES COULD ADVERSELY AFFECT THE MARKET PRICE OF OUR COMMON SHARES AND INCREASE YOUR TRANSACTION COSTS TO SELL THOSE SHARES.

As long as the trading price of our common shares is below $5 per share, the open-market trading of our common shares will be subject to the "penny stock" rules. The "penny stock" rules impose additional sales practice requirements on broker-dealers who sell securities to persons other than established customers and accredited investors (generally those with assets in excess of $1,000,000 or annual income exceeding $200,000 or $300,000 together with their spouse). For transactions covered by these rules, the broker-dealer must make a special suitability determination for the purchase of securities and have received the purchaser's written consent to the transaction before the purchase. Additionally, for any transaction involving a penny stock, unless exempt, the broker-dealer must deliver, before the transaction, a disclosure schedule prescribed by the SEC relating to the penny stock market. The broker-dealer also must disclose the commissions payable to both the broker-dealer and the registered representative and current quotations for the securities. Finally, monthly statements must be sent disclosing recent price information on the limited market in penny stocks. These additional burdens imposed on broker-dealers may restrict the ability or decrease the willingness of broker-dealers to sell our common shares, and may result in decreased liquidity for our common shares and increased transaction costs for sales and purchases of our common shares as compared to other securities.

OUR COMMON SHARES ARE THINLY TRADED, SO YOU MAY BE UNABLE TO SELL AT OR NEAR ASK PRICES OR AT ALL IF YOU NEED TO SELL YOUR SHARES TO RAISE MONEY OR OTHERWISE DESIRE TO LIQUIDATE YOUR SHARES.

Our common shares have historically been sporadically or "thinly-traded" on the OTCBB, meaning that the number of persons interested in purchasing our common shares at or near ask prices at any given time may be relatively small or non-existent. This situation is attributable to a number of factors, including the fact that we are a small company which is relatively unknown to stock analysts, stock brokers, institutional investors and others in the investment community that generate or influence sales volume, and that even if we came to the attention of such persons, they tend to be risk-averse and would be reluctant to follow an unproven company such as ours or purchase or recommend the purchase of our shares until such time as we became more seasoned and viable. As a consequence, there may be periods of several days or more when trading activity in our shares is minimal or non-existent, as compared to a seasoned issuer which has a large and steady volume of trading activity that will generally support continuous sales without an adverse effect on share price. We cannot give you any assurance that a broader or more active public trading market for our common shares will develop or be sustained, or that current trading levels will be sustained.

THE MARKET PRICE FOR OUR COMMON SHARES IS PARTICULARLY VOLATILE GIVEN OUR STATUS AS A RELATIVELY UNKNOWN COMPANY WITH A SMALL AND THINLY TRADED PUBLIC FLOAT, LIMITED OPERATING HISTORY AND LACK OF REVENUE WHICH COULD LEAD TO WIDE FLUCTUATIONS IN OUR SHARE PRICE. THE PRICE AT WHICH YOU PURCHASE OUR COMMON SHARES MAY NOT BE INDICATIVE OF THE PRICE THAT WILL PREVAIL IN THE TRADING MARKET. YOU MAY BE UNABLE TO SELL YOUR COMMON SHARES AT OR ABOVE YOUR PURCHASE PRICE, WHICH MAY RESULT IN SUBSTANTIAL LOSSES TO YOU.

The market for our common shares is characterized by significant price volatility when compared to seasoned issuers, and we expect that our share price will continue to be more volatile than a seasoned issuer for the indefinite future. In fact, during the 52-week period ended March 31, 2010, the high and low closing sale prices of a share of our common stock were $0.64 and $0.20, respectively. The volatility in our share price is attributable to a number of factors. First, as noted above, our common shares are sporadically and/or thinly traded. As a consequence of this lack of liquidity, the trading of relatively small quantities of shares by our shareholders may disproportionately influence the price of those shares in either direction. The price for our shares could, for example, decline precipitously in the event that a large number of our common shares are sold on the market without commensurate demand, as compared to a seasoned issuer which could better absorb those sales without adverse impact on its share price. Secondly, we are a speculative or "risky" investment due to our limited operating history and lack of revenue or profit to date, and the uncertainty of future market acceptance for our potential products. As a consequence of this enhanced risk, more risk-adverse investors may, under the fear of losing all or most of their investment in the event of negative news or lack of progress, be more inclined to sell their shares on the market more quickly and at greater discounts than would be the case with the stock of a seasoned issuer. The following factors may add to the volatility in the price of our common shares: actual or anticipated variations in our quarterly or annual operating results; acceptance of our proprietary technology as a viable method of augmenting the immune response of clearing viruses and toxins from human blood; government regulations, announcements of significant acquisitions, strategic partnerships or joint ventures; our capital commitments and additions or departures of our key personnel. Many of these factors are beyond our control and may decrease the market price of our common shares regardless of our operating performance. We cannot make any predictions or projections as to what the prevailing market price for our common shares will be at any time, including as to whether our common shares will sustain their current market prices, or as to what effect the sale of shares or the availability of common shares for sale at any time will have on the prevailing market price.

Shareholders should be aware that, according to SEC Release No. 34-29093, the market for penny stocks has suffered in recent years from patterns of fraud and abuse. Such patterns include (1) control of the market for the security by one or a few broker-dealers that are often related to the promoter or issuer; (2) manipulation of prices through prearranged matching of purchases and sales and false and misleading press releases; (3) boiler room practices involving high-pressure sales tactics and unrealistic price projections by inexperienced sales persons; (4) excessive and undisclosed bid-ask differential and markups by selling broker-dealers; and (5) the wholesale dumping of the same securities by promoters and broker-dealers after prices have been manipulated to a desired level, along with the resulting inevitable collapse of those prices and with consequent investor losses. Our management is aware of the abuses that have occurred historically in the penny stock market. Although we do not expect to be in a position to dictate the behavior of the market or of broker-dealers who participate in the market, management will strive within the confines of practical limitations to prevent the described patterns from being established with respect to our securities. The occurrence of these patterns or practices could increase the volatility of our share price.

VOLATILITY IN OUR COMMON SHARE PRICE MAY SUBJECT US TO SECURITIES LITIGATION.

The market for our common shares is characterized by significant price volatility when compared to seasoned issuers, and we expect that our share price will continue to be more volatile than a seasoned issuer for the indefinite future. In the past, plaintiffs have often initiated securities class action litigation against a company following periods of volatility in the market price of its securities. We may in the future be the target of similar litigation. Securities litigation could result in substantial costs and liabilities and could divert management's attention and resources.

OUR OFFICERS AND DIRECTORS BENEFICIALLY OWN OR CONTROL APPROXIMATELY 17.5% OF OUR OUTSTANDING COMMON SHARES AS OF JUNE 24, 2010, WHICH MAY LIMIT YOUR ABILITY OR THAT OF OTHER SHAREHOLDERS, WHETHER ACTING INDIVIDUALLY OR TOGETHER, TO PROPOSE OR DIRECT THE MANAGEMENT OR OVERALL DIRECTION OF OUR COMPANY. ADDITIONALLY, THIS CONCENTRATION OF OWNERSHIP COULD DISCOURAGE OR PREVENT A POTENTIAL TAKEOVER OF OUR COMPANY THAT MIGHT OTHERWISE RESULT IN YOU RECEIVING A PREMIUM OVER THE MARKET PRICE FOR YOUR COMMON SHARES.

As of June 24, 2010, our officers and directors beneficially own or control approximately 17.5% of our outstanding common shares (assuming the exercise of all outstanding options and warrants held by our officers and directors). In addition, our Board has approved the grant of 4,000,000 shares of restricted stock to our Chief Executive Officer, and upon such issuance in full of such shares, the beneficial ownership of our officers and directors will increase to 21.2%. These persons will have the ability to substantially influence all matters submitted to our shareholders for approval and to control our management and affairs, including extraordinary transactions such as mergers and other changes of corporate control, and going private transactions.

A LARGE NUMBER OF COMMON SHARES ARE ISSUABLE UPON EXERCISE OF OUTSTANDING COMMON SHARE PURCHASE OPTIONS, WARRANTS AND CONVERTIBLE PROMISSORY NOTES. THE EXERCISE OR CONVERSION OF THESE SECURITIES COULD RESULT IN THE SUBSTANTIAL DILUTION OF YOUR INVESTMENT IN TERMS OF YOUR PERCENTAGE OWNERSHIP IN THE COMPANY AS WELL AS THE BOOK VALUE OF YOUR COMMON SHARES. THE SALE OF A LARGE AMOUNT OF COMMON SHARES RECEIVED UPON EXERCISE OF THESE OPTIONS OR WARRANTS ON THE PUBLIC MARKET TO FINANCE THE EXERCISE PRICE OR TO PAY ASSOCIATED INCOME TAXES, OR THE PERCEPTION THAT SUCH SALES COULD OCCUR, COULD SUBSTANTIALLY DEPRESS THE PREVAILING MARKET PRICES FOR OUR SHARES.

As of March 31, 2010, there are outstanding purchase options and warrants entitling the holders to purchase 38,776,526 common shares at a weighted average exercise price of $0.33 per share. That figure includes 3,980,021 warrants that are conditional upon the exercise of other warrants or conversion of certain convertible debt instruments. There are 14,265,999 shares underlying promissory notes convertible into common stock at a weighted average exercise price of $0.20. The exercise price for all of the aforesaid warrants may be less than your cost to acquire our common shares. In the event of the exercise of these securities, you could suffer substantial dilution of your investment in terms of your percentage ownership in the company as well as the book value of your common shares. In addition, the holders of the common share purchase options or warrants may sell common shares in tandem with their exercise of those options or warrants to finance that exercise, or may resell the shares purchased in order to cover any income tax liabilities that may arise from their exercise of the options or warrants.

OUR ISSUANCE OF ADDITIONAL COMMON SHARES, OR OPTIONS OR WARRANTS TO PURCHASE THOSE SHARES, WOULD DILUTE YOUR PROPORTIONATE OWNERSHIP AND VOTING RIGHTS.

We are entitled under our certificate of incorporation to issue up to 250,000,000 shares of common stock. We have reserved for issuance 53,669,525 shares of common stock for existing options, warrants and convertible notes. We have issued and outstanding, as of March 31, 2010, 61,913,508 shares of common stock. As a result, as of March 31, 2010 we have 134,416,967 common shares available for issuance to new investors. Our board may generally issue shares of common stock, or options or warrants to purchase those shares, without further approval by our shareholders based upon such factors as our board of directors may deem relevant at that time. It is likely that we will be required to issue a large amount of additional securities to raise capital to further our development. It is also likely that we will be required to issue a large amount of additional securities to directors, officers, employees and consultants as compensatory grants in connection with their services, both in the form of stand-alone grants or under our stock plans. We cannot give you any assurance that we will not issue additional shares of common stock, or options or warrants to purchase those shares, under circumstances we may deem appropriate at the time.

OUR ISSUANCE OF ADDITIONAL COMMON SHARES IN EXCHANGE FOR SERVICES OR TO REPAY DEBT WOULD DILUTE YOUR PROPORTIONATE OWNERSHIP AND VOTING RIGHTS AND COULD HAVE A NEGATIVE IMPACT ON THE MARKET PRICE OF OUR COMMON STOCK.

Our board may generally issue shares of common stock to pay for debt or services without further approval by our shareholders based upon such factors that our board of directors may deem relevant at that time. For the past four years, we issued a total of 12,704,767 shares for debt to reduce our obligations. The average price discount of common stock issued for debt in this period, weighted by the number of shares issued for debt in such period was 40.0% and 35.7% for the years ended March 31, 2010 and 2009, respectively.

For the past four fiscal years we issued a total of 5,343,758 shares as payment for services. The average price discount of common stock issued for services during this period, weighted by the number of shares issued was 6.0% and 4.3% for the years ended March 31, 2010 and 2009, respectively. It is likely that we will issue additional securities to pay for services and reduce debt in the future. We cannot give you any assurance that we will not issue additional shares of common stock under circumstances we may deem appropriate at the time.

THE ELIMINATION OF MONETARY LIABILITY AGAINST OUR DIRECTORS, OFFICERS AND EMPLOYEES UNDER OUR CERTIFICATE OF INCORPORATION AND THE EXISTENCE OF INDEMNIFICATION RIGHTS TO OUR DIRECTORS, OFFICERS AND EMPLOYEES MAY RESULT IN SUBSTANTIAL EXPENDITURES BY OUR COMPANY AND MAY DISCOURAGE LAWSUITS AGAINST OUR DIRECTORS, OFFICERS AND EMPLOYEES.

Our certificate of incorporation contains provisions which eliminate the liability of our directors for monetary damages to our company and shareholders. Our bylaws also require us to indemnify our officers and directors. We may also have contractual indemnification obligations under our agreements with our directors, officers and employees. The foregoing indemnification obligations could result in our company incurring substantial expenditures to cover the cost of settlement or damage awards against directors, officers and employees that we may be unable to recoup. These provisions and resultant costs may also discourage our company from bringing a lawsuit against directors, officers and employees for breaches of their fiduciary duties, and may similarly discourage the filing of derivative litigation by our shareholders against our directors, officers and employees even though such actions, if successful, might otherwise benefit our company and shareholders.

ANTI-TAKEOVER PROVISIONS MAY IMPEDE THE ACQUISITION OF OUR COMPANY.

Certain provisions of the Nevada General Corporation Law have anti-takeover effects and may inhibit a non-negotiated merger or other business combination. These provisions are intended to encourage any person interested in acquiring us to negotiate with, and to obtain the approval of, our Board of Directors in connection with such a transaction. However, certain of these provisions may discourage a future acquisition of us, including an acquisition in which the shareholders might otherwise receive a premium for their shares. As a result, shareholders who might desire to participate in such a transaction may not have the opportunity to do so.

FORWARD-LOOKING STATEMENTS

Some of the statements contained in this Registration Statement that are not historical facts are “forward-looking statements” that can be identified by the use of words like “estimates,” “projects,” “plans,” “believes,” “expects,” “anticipates,” “intends,” or the negative or other variations, or by discussions of strategy that involve risks and uncertainties. We caution you that such statements in this Registration Statement reflect our current beliefs with respect to future events and involve known and unknown risks, uncertainties and other factors affecting our operations, market growth, services, and products. We cannot assure you of the achievement of future results, as actual results may differ materially as a result of the risks we face, and actual events may differ from the assumptions underlying the statements we have made regarding anticipated events.

USE OF PROCEEDS

This prospectus relates to shares of our common stock that may be offered and sold from time to time by the selling stockholders identified herein. We will not receive any of the proceeds resulting from the sale of the shares held by the selling stockholders. If any of the selling stockholders were to pay a purchase or exercise price to acquire the common stock to be sold pursuant to this reoffer prospectus, we would receive the purchase or exercise price. We expect to use the proceeds received from the stock purchases or option exercises under the Plan, if any, for general working capital purposes. As of the date of this prospectus, no grants have been made under the Aethlon Medical, Inc. 2010 Stock Incentive Plan (the "Plan"). We have issued 111,111 shares of common stock to Mr. James A. Joyce, our Chief Executive Officer, under the individual grant approved by our board of directors on June 8, 2009 (the "Joyce Grant"). The Joyce Grant does not require payment of any purchase price by Mr. Joyce.

SELLING STOCKHOLDERS

All of the common stock registered for sale under this prospectus will be owned prior to the offer and sale of such shares by current or former directors, officers, employees, consultants or advisers of the Company who will be listed below (the "selling stockholders"). All of the shares owned by the selling stockholders and offered pursuant to this prospectus will have been acquired by them pursuant to the Plan and/or, in the case of Mr. Joyce, the Joyce Grant.

The following table sets forth the names of the selling stockholders who may sell their shares pursuant to this prospectus. The selling stockholders have, or within the past three years have had, positions, offices or other material relationships with us or with our predecessors or affiliates as identified below. The following table also sets forth information as of the date of this prospectus, to the best of our knowledge, regarding the ownership of our common stock by the selling stockholders and as adjusted to give effect to the sale of all of the common stock offered by the selling stockholders pursuant to this prospectus.

Selling Stockholder	Number of Shares Owned Before Offering	Number of Shares Being Offered	Common Shares Owned After Sale	
			Number	% of Class (1)
James A. Joyce (2) (3) (4)	4,400,000	4,000,000	400,000	*

* Less than 1%.

(1) Based on 68,690,216 shares of common stock outstanding as of July 28, 2010.

(2) Mr. Joyce is our Chairman, Chief Executive Officer, Principal Accounting Officer and Secretary.

(3) On June 8, 2009, our board of directors approved the grant to Mr. Joyce of 4,000,000 shares of restricted common stock at a price per share of $0.24. The issuance of the stock and stock vesting schedule commenced on June 30, 2010 and will continue over a thirty-six month period at a rate of 111,111 shares per month. The first issuance of 111,111 shares under the grant occurred on June 30, 2010. Mr. Joyce may, from time to time, defer acceptance of the shares. However, all shares must be issued and accepted by Mr. Joyce by the expiration of the thirty-six month vesting and issuance period.

(4) In addition to the currently outstanding shares of common stock owned by Mr. Joyce and reported here, Mr. Joyce also beneficially owns the shares of common stock underlying the following stock options: options to purchase 2,231,100 shares of common stock at $0.38 per share; options to purchase 2,857,143 shares of common stock at $0.21 per share; options to purchase 2,500,000 shares of common stock at $0.36 per share; options to purchase 1,500,000 shares of common stock at $0.25 per share and unvested options to acquire 500,000 shares of common stock at $0.25 per share.

No grants have been made under the Plan as of the date of this prospectus. As grants are made under the Plan, we will update this section of the prospectus to provide the appropriate information with regard to any recipients who will be selling stockholders under this prospectus.

PLAN OF DISTRIBUTION

The selling stockholders and any of their pledgees, assignees and successors-in-interest may sell, from time to time, any or all of their shares of common stock on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These sales may be at fixed or negotiated prices. The selling stockholders may use any one or more of the following methods when selling shares:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the shares as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- settlement of short sales entered into after the effective date of the registration statement of which this prospectus is a part;
- broker-dealers may agree with the selling stockholders to sell a specified number of such shares at a stipulated price per share;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- a combination of any such methods of sale; or
- any other method permitted pursuant to applicable law.

The selling stockholders also may sell shares under Rule 144 under the Securities Act of 1933, as amended (the "Securities Act"), if available, rather than under this prospectus.

Broker-dealers engaged by the selling stockholders may arrange for other broker-dealers to participate in sales. Broker-dealers may receive commissions or discounts from the selling stockholders (or, if any broker-dealer acts as agent for the purchaser of shares, from the purchaser) in amounts to be negotiated, which compensation as to a particular broker-dealer may be in excess of customary commissions).

In connection with the sale of the common stock or interests therein, the selling stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the common stock in the course of hedging the positions they assume. The selling stockholders also may sell shares of the common stock short and deliver these securities to close out their short positions, or loan or pledge the common stock to broker-dealers that in turn may sell these securities. The selling stockholders also may enter into option or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities that require the delivery to such broker-dealer or other financial institution of shares offered by this prospectus, which shares such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction).

The selling stockholders and any broker-dealers or agents that are involved in selling the shares may be deemed to be "underwriters" within the meaning of the Securities Act in connection with such sales. In such event, any commissions received by such broker-dealers or agents and any profit on the resale of the shares purchased by them may be deemed to be underwriting commissions or discounts under the Securities Act. The selling stockholders have informed us that they do not have any written or oral agreement or understanding, directly or indirectly, with any person to distribute the shares covered by this prospectus.

As the selling stockholders may be deemed to be "underwriters" within the meaning of the Securities Act, they will be subject to the prospectus delivery requirements of the Securities Act. In addition, any securities covered by this prospectus that qualify for sale pursuant to Rule 144 under the Securities Act may be sold under Rule 144 rather than under this prospectus. There is no underwriter or coordinating broker acting in connection with the proposed sale of the resale shares by the selling stockholders.

We will pay all fees and expenses incident to the registration of the shares, but any brokerage commissions and other expenses incurred by a selling stockholder will be borne by such stockholder.

The resale shares will be sold only through registered or licensed brokers or dealers if required under applicable state securities laws. In addition, in certain states, the resale shares may not be sold unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

The selling stockholders will be subject to applicable provisions of the Securities Exchange Act of 1934, as amended (the "Exchange Act") and the rules and regulations thereunder, including Regulation M, which may limit the timing of purchases and sales of shares of the common stock by the selling stockholders or any other person. We will make copies of this prospectus available to the selling stockholders and have informed them of the need to deliver a copy of this prospectus to each purchaser at or prior to the time of the sale.

INCORPORATION OF DOCUMENTS BY REFERENCE

The following documents are hereby incorporated by reference into this Registration Statement:

(a) The Annual Report on Form 10-K for the fiscal year ended March 31, 2010, filed by the Registrant with the Securities and Exchange Commission (the "Commission" or the "SEC") on July 2, 2010;

(b) The Current Report on Form 8-K filed by the Registrant with the Commission on May 28, 2010;

(c) The Current Report on Form 8-K filed by the Registrant with the Commission on July 16, 2010;

(d) The Current Report on Form 8-K filed by the Registrant with the Commission on July 30, 2010, including the description of the Registrant's common stock filed as Exhibit 99.1 thereto; and

(e) In addition, all documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of filing of such documents.

Any statement contained herein or in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any other subsequently filed document that also is or is deemed to be incorporated by reference herein modifies or supersedes such earlier statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

We will provide to each person, including any beneficial owner, to whom a prospectus is delivered, a copy of any or all of the information that has been incorporated by reference in this prospectus but not delivered with the prospectus. We will provide this information upon written or oral request at no cost to the requester. Any request for this information should be directed to the Corporate Secretary, Aethlon Medical, Inc., 8910 University Center Lane, Suite 660, San Diego, California 92122, (858) 458-7800.

LEGAL MATTERS

The validity of the common stock offered pursuant to this prospectus has been passed upon by the Law Office of Jennifer A. Post, Beverly Hills, California.

EXPERTS

Squar, Milner, Peterson, Miranda & Williamson, LLP, a registered independent public accounting firm, has audited the consolidated balance sheets of the Company as of March 31, 2010 and 2009 and the related consolidated statements of operations, stockholders' deficit and cash flows for each of the years in the two-year period ended March 31, 2010 and for the period January 31, 1984 (Inception) through March 31, 2010 as set forth in their report dated June 30, 2010, and such financial statements have been incorporated by reference in this prospectus in reliance upon the report of such Firm given upon their authority as experts in auditing and accounting.

WHERE YOU CAN FIND MORE INFORMATION

We are a reporting company under the Exchange Act, and we file annual, quarterly and current reports and other information with the SEC. The public may read and copy any materials that we file with the SEC at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. The public may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. The SEC maintains an Internet site at http://www.sec.gov that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC.

DISCLOSURE OF COMMISSION POSITION ON INDEMNIFICATION FOR SECURITIES ACT LIABILITIES

Our Articles of Incorporation permit us to limit the liability of our directors to the fullest extent permitted under Section 78.037 of the Nevada General Corporation Law. As permitted by Section 78.037 of the Nevada General Corporation Law, our Articles of Incorporation and Bylaws also include provisions that eliminate the personal liability of each of our officers and directors for any obligations arising out of any acts or conduct of such officer or director performed for us or on our behalf. To the fullest extent allowed by Section 78.751 of the Nevada General Corporation Law, we will defend, indemnify and hold harmless our directors or officers from and against any and all claims, judgments and liabilities to which each director or officer becomes subject in connection with the performance of his or her duties and will reimburse each such director or officer for all legal and other expenses reasonably incurred in connection with any such claim of liability. However, we will not indemnify any officer or director against, or reimburse for, any expense incurred in connection with any claim or liability arising out of the officer's or director's own negligence or misconduct in the performance of duty.

The provisions of our Articles of Incorporation and Bylaws regarding indemnification are not exclusive of any other right we have to indemnify or reimburse our officers or directors in any proper case, even if not specifically provided for in the Articles of Incorporation or Bylaws.

We believe that the indemnity provisions contained in our Bylaws and the limitation of liability provisions contained in our Articles of Incorporation are necessary to attract and retain qualified persons for these positions. No pending material litigation or proceeding involving our directors, executive officers, employees or other agents as to which indemnification is being sought exists, and we are not aware of any pending or threatened material litigation that may result in claims for indemnification by any of our directors or executive officers.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers or persons controlling us pursuant to the foregoing provisions, we have been informed that, in the opinion of the SEC, such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents are hereby incorporated by reference into this Registration Statement:

(a) The Annual Report on Form 10-K for the fiscal year ended March 31, 2010, filed by the Registrant with the Commission on July 2, 2010;

(b) The Current Report on Form 8-K filed by the Registrant with the Commission on May 28, 2010;

(c) The Current Report on Form 8-K filed by the Registrant with the Commission on July 16, 2010;

(d) The Current Report on Form 8-K filed by the Registrant with the Commission on July 30, 2010, including the description of the Registrant's common stock filed as Exhibit 99.1 thereto; and

(e) In addition, all documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of filing of such documents.

Any statement contained herein or in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any other subsequently filed document that also is or is deemed to be incorporated by reference herein modifies or supersedes such earlier statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

Item 4. Description of Securities.

Not applicable. The class of securities to be offered is registered under Section 12 of the Exchange Act.

Item 5. Interests of Named Experts and Counsel.

None.

Item 6. Indemnification of Directors and Officers.

The Registrant’s Articles of Incorporation permit it to limit the liability of its directors to the fullest extent permitted under Section 78.037 of the Nevada General Corporation Law. As permitted by Section 78.037 of the Nevada General Corporation Law, the Registrant’s Articles of Incorporation and Bylaws also include provisions that eliminate the personal liability of each of its officers and directors for any obligations arising out of any acts or conduct of such officer or director performed for or on behalf of the Registrant. To the fullest extent allowed by Section 78.751 of the Nevada General Corporation Law, the Registrant will defend, indemnify and hold harmless its directors or officers from and against any and all claims, judgments and liabilities to which each director or officer becomes subject in connection with the performance of his or her duties and will reimburse each such director or officer for all legal and other expenses reasonably incurred in connection with any such claim of liability. However, the Registrant will not indemnify any officer or director against, or reimburse for, any expense incurred in connection with any claim or liability arising out of the officer’s or director’s own negligence or misconduct in the performance of duty.

The provisions of the Registrant's Articles of Incorporation and Bylaws regarding indemnification are not exclusive of any other right we have to indemnify or reimburse our officers or directors in any proper case, even if not specifically provided for in the Articles of Incorporation or Bylaws.

The Registrant believes that the indemnity provisions contained in its Bylaws and the limitation of liability provisions contained in its Articles of Incorporation are necessary to attract and retain qualified persons for these positions. No pending material litigation or proceeding involving our directors, executive officers, employees or other agents as to which indemnification is being sought exists, and the Registrant is not aware of any pending or threatened material litigation that may result in claims for indemnification by any of its directors or executive officers.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers or persons controlling the Registrant pursuant to the foregoing provisions, the Registrant has been informed that, in the opinion of the SEC, such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

Item 7. Exemption from Registration Claimed.

With respect to the shares of common stock awarded to Mr. Joyce pursuant to the Joyce Grant, the Registrant granted such shares without registration under the Securities Act in reliance upon Section 4(2) of the Securities Act given that Mr. Joyce is an accredited investor and the grant did not involve any form of general solicitation or general advertising.

Item 8. Exhibits.

Exhibit No.	**Description**
4	2010 Stock Incentive Plan
5	Opinion regarding legality
23.1	Consent of Squar, Milner, Petersen, Miranda & Williamson, LLP
23.2	Consent of Law Office of Jennifer A. Post (included in Exhibit 5)

Item 9. Undertakings.

The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:

(i) To include any prospectus required by section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment hereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective Registration Statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement;

provided, however, that paragraphs (1)(i) and (1)(ii) above do not apply if this Registration Statement is on Form S-8, and the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in this Registration Statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof;

(3) To remove from registration by means of a post-effective amendment any of the securities being registered that remain unsold at the termination of the offering; and

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, in a primary offering of securities of the Registrant pursuant to this Registration Statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the Registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser: (i) any preliminary prospectus or prospectus of the Registrant relating to the offering required to be filed pursuant to Rule 424; (ii) any free writing prospectus relating to the offering prepared by or on behalf of the Registrant or used or referred to by the Registrant; (iii) the portion of any other free writing prospectus relating to the offering containing material information about the Registrant or its securities provided by or on its behalf; and (iv) any other communication that is an offer in the offering made by the Registrant to the purchaser.

(5) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the Registrant's annual report pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(6) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in San Diego, California, on August 2, 2010.

AETHLON MEDICAL, INC.,
a Nevada corporation

/s/ James A. Joyce
By: James A. Joyce
Its: Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the date indicated:

Dated: August 2, 2010

/s/ James A. Joyce
James A. Joyce, Chairman, Chief Executive Officer and Principal Accounting Officer

Dated: July 29, 2010

/s/ Franklyn S. Barry, Jr.
Franklyn S. Barry, Jr., Director

Dated: August 2, 2010

/s/ Edward G. Broenniman
Edward G. Broenniman, Director

Dated: August 2, 2010

/s/ Richard H. Tullis
Richard H. Tullis, Director

INDEX TO EXHIBITS

Exhibit No.	Description
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Exhibit 4

AETHLON MEDICAL, INC.

2010 STOCK INCENTIVE PLAN

(As Adopted August 2, 2010)

1. PURPOSE.

The purpose of this Plan is to provide incentives to attract, retain and motivate eligible persons whose present and potential contributions are important to the success of the Company, and its Parent and Subsidiaries (if any), by offering them an opportunity to participate in the Company's future performance through awards of Options, the right to purchase Common Stock and Stock Bonuses. Capitalized terms not defined in the text are defined in Section 2.

2. DEFINITIONS.

As used in this Plan, the following terms will have the following meanings:

"*AWARD*" means any award under this Plan, including any Option, Stock Award or Stock Bonus.

"*AWARD AGREEMENT*" means, with respect to each Award, the signed written agreement between the Company and the Participant setting forth the terms and conditions of the Award.

"*BOARD*" means the Board of Directors of the Company.

"*CAUSE*" means any cause, as defined by applicable law, for the termination of a Participant's employment with the Company or a Parent or Subsidiary of the Company.

"*CODE*" means the Internal Revenue Code of 1986, as amended.

"*COMPANY*" means Aethlon Medical, Inc., a Nevada corporation, or any successor corporation thereto.

"*COMMITTEE*" means that committee appointed by the Board to administer and interpret the Plan as more particularly described in Section 5 of the Plan; *provided, however*, that the term Committee will refer to the Board during such times as no Committee has been appointed by the Board.

"*DISABILITY*" means a disability, whether temporary or permanent, partial or total, as determined by the Committee.

"*EXCHANGE ACT*" means the Securities Exchange Act of 1934, as amended.

"*EXERCISE PRICE*" means the price at which a holder of an Option may purchase the Shares issuable upon exercise of the Option.

"*FAIR MARKET VALUE*" means, as of any date, the value of a share of the Company's Common Stock determined as follows:

(a) if such Common Stock is publicly traded and is then listed on a national securities exchange, its closing price on the date of determination on the principal national securities exchange on which the Common Stock is listed or admitted to trading;

(b) if such Common Stock is quoted on the NASDAQ Global Market or the NASDAQ Capital Market, its closing price on the NASDAQ Global Market or the NASDAQ Capital Market, as applicable, on the date of determination;

(c) if neither of the foregoing is applicable, by the Committee in good faith.

"*INSIDER*" means an officer or director of the Company or any other person whose transactions in the Company's Common Stock are subject to Section 16 of the Exchange Act.

"*OPTION*" means an award of an option to purchase Shares pursuant to Section 6.

"*PARENT*" means any corporation (other than the Company) in an unbroken chain of corporations ending with the Company if each of such corporations other than the Company owns stock possessing 50% or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

"*PARTICIPANT*" means a person who receives an Award under this Plan.

"*PERFORMANCE FACTORS*" means the factors selected by the Committee, in its sole and absolute discretion, from among the following measures to determine whether the performance goals applicable to Awards have been satisfied:

(a) Net revenue and/or net revenue growth;

(b) Earnings before income taxes and amortization and/or earnings before income taxes and amortization growth;

(c) Operating income and/or operating income growth;

(d) Net income and/or net income growth;

(e) Earnings per share and/or earnings per share growth;

(f) Total stockholder return and/or total stockholder return growth;

(g) Return on equity;

(h) Operating cash flow return on income;

(i) Adjusted operating cash flow return on income;

(j) Economic value added; and

(k) Individual business objectives.

"*PERFORMANCE PERIOD*" means the period of service determined by the Committee, not to exceed five years, during which years of service or performance is to be measured for Stock Awards or Stock Bonuses, if such Awards are restricted.

"*PLAN*" means this Aethlon Medical, Inc. 2010 Stock Incentive Plan, as amended from time to time.

"PURCHASE PRICE" means the price at which the Participant who receives a Stock Award may purchase the Shares.

"*SEC*" means the Securities and Exchange Commission.

"*SECURITIES ACT*" means the Securities Act of 1933, as amended.

"*SHARES*" means shares of the Company's Common Stock reserved for issuance under this Plan, as adjusted pursuant to Sections 3 and 20, and any successor security.

"*STOCK AWARD*" means an award of Shares pursuant to Section 7.

"*STOCK BONUS*" means an award of Shares, or cash in lieu of Shares, pursuant to Section 8.

"*SUBSIDIARY*" means any corporation (other than the Company) in an unbroken chain of corporations beginning with the Company if each of the corporations other than the last corporation in the unbroken chain owns stock possessing 50% or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

"*TERMINATION*" or "*TERMINATED*" means, for purposes of this Plan with respect to a Participant, that the Participant has for any reason ceased to provide services as an employee, officer, director, consultant, independent contractor or advisor to the Company or a Parent or Subsidiary of the Company. An employee will not be deemed to have ceased to provide services in the case of (i) sick leave, (ii) military leave, or (iii) any other leave of absence approved by the Company, provided that such leave is for a period of not more than 90 days, unless reemployment upon the expiration of such leave is guaranteed by contract or statute or unless provided otherwise pursuant to a formal policy adopted from time to time by the Company and issued and promulgated to employees in writing. In the case of any employee on an approved leave of absence, the Committee may make such provisions respecting suspension of vesting of the Award while on leave from the employ of the Company or a Parent or Subsidiary as it may deem appropriate, except that in no event may an Option be exercised after the expiration of the term set forth in the Option agreement. The Committee will have sole discretion to determine whether a Participant has ceased to provide services and the effective date on which the Participant ceased to provide services (the "Termination Date").

3. SHARES SUBJECT TO THE PLAN.

3.1 Number of Shares Available. Subject to Sections 3.2 and 20, the total aggregate number of Shares reserved and available for grant and issuance pursuant to this Plan shall be 3,500,000 Shares and will include Shares that are subject to: (a) issuance upon exercise of an Option but cease to be subject to such Option for any reason other than exercise of such Option; (b) an Award granted hereunder but forfeited or repurchased by the Company at the original issue price; and (c) an Award that otherwise terminates without Shares being issued. At all times the Company shall reserve and keep available a sufficient number of Shares as shall be required to satisfy the requirements of all outstanding Options granted under this Plan and all other outstanding but unvested Awards granted under this Plan.

3.2 Adjustment of Shares. In the event that the number of outstanding shares is changed by a stock dividend, recapitalization, stock split, reverse stock split, subdivision, combination, reclassification or similar change in the capital structure of the Company without consideration, then (a) the number of Shares reserved for issuance under this Plan, (b) the Exercise Prices of and number of Shares subject to outstanding Options, and (c) the number of Shares subject to other outstanding Awards will be proportionately adjusted, subject to any required action by the Board or the stockholders of the Company and compliance with applicable securities laws; provided, however, that fractions of a Share will not be issued but will either be replaced by a cash payment equal to the Fair Market Value of such fraction of a Share or will be rounded up to the nearest whole Share, as determined by the Committee.

4. ELIGIBILITY.

ISOs (as defined in Section 6 below) may be granted only to employees (including officers and directors who are also employees) of the Company or of a Parent or Subsidiary of the Company. All other Awards may be granted to employees, officers, directors, consultants, independent contractors and advisors of the Company or any Parent or Subsidiary of the Company, provided such consultants, independent contractors and advisors render bona-fide services not in connection with the offer and sale of securities in a capital-raising transaction or promotion of the Company's securities. A person may be granted more than one Award under this Plan.

5. ADMINISTRATION.

5.1 Committee.

(a) The Plan shall be administered and interpreted by a committee consisting of two (2) or more members of the Board. At the Board's discretion, or if necessary in order to comply with Rule 16b-3 under the Exchange Act ("Rule 16b-3") or Section 162(m) of the Code ("Section 162(m)"), the Committee, in the Board's discretion, shall be comprised solely of "non-employee directors" within the meaning of Rule 16b-3 or "outside directors" within the meaning of Section 162(m).

(b) Members of the Committee may resign at any time by delivering written notice to the Board. The Board shall fill vacancies in the Committee. The Committee shall act by a majority of its members in office. The Committee may act either by vote at a meeting or by a memorandum or other written instrument signed by a majority of the Committee.

(c) If the Board, in its discretion, does not appoint a Committee, the Board itself will administer and interpret the Plan and take such other actions as the Committee is authorized to take hereunder; provided that the Board may take such actions hereunder in the same manner as the Board may take other actions under the Articles of Incorporation and bylaws of the Company generally.

5.2 Committee Authority. Without limitation, the Committee will have the authority to:

(a) construe and interpret this Plan, any Award Agreement and any other agreement or document executed pursuant to this Plan;

(b) prescribe, amend and rescind rules and regulations relating to this Plan or any Award;

(c) select persons to receive Awards;

(d) determine the form and terms of Awards;

(e) determine the number of Shares or other consideration subject to Awards;

(f) determine whether Awards will be granted singly, in combination with, in tandem with, in replacement of, or as alternatives to, other Awards under this Plan or any other incentive or compensation plan of the Company or any Parent or Subsidiary of the Company;

(g) grant waivers of Plan or Award conditions;

(h) determine the vesting, exercisability and payment of Awards;

(i) correct any defect, supply any omission or reconcile any inconsistency in this Plan, any Award or any Award Agreement;

(j) determine whether an Award has been earned; and

(k) make all other determinations necessary or advisable for the administration of this Plan.

5.3 Committee Discretion. Any determination made by the Committee with respect to any Award will be made at the time of grant of the Award or, unless in contravention of any express term of this Plan or the Award, at any later time, and such determination will be final and binding on the Company and on all persons having an interest in the Award under this Plan. The Committee may delegate to one or more officers of the Company the authority to grant an Award under this Plan to Participants who are not Insiders of the Company. No member of the Committee shall be personally liable for any action taken or decision made in good faith relating to this Plan, and all members of the Committee shall be fully protected and indemnified to the fullest extent permitted under applicable law by the Company in respect to any such action, determination, or interpretation.

6. OPTIONS.

The Committee may grant Options to eligible persons and will determine whether such Options will be Incentive Stock Options within the meaning of the Code ("ISOs") or Nonqualified Stock Options ("NQSOs"), the number of Shares subject to the Option, the Exercise Price of the Option, the period during which the Option may be exercised, and all other terms and conditions of the Option, subject to the following:

6.1 Form of Option Grant. Each Option granted under this Plan will be evidenced by an Award Agreement that will expressly identify the Option as an ISO or an NQSO (hereinafter referred to as the "Stock Option Agreement"), and will be in such form and contain such provisions (which need not be the same for each Participant) as the Committee may from time to time approve, and that will comply with and be subject to the terms and conditions of this Plan.

6.2 Date of Grant. The date of grant of an Option will be the date on which the Committee makes the determination to grant such Option, unless otherwise specified by the Committee. The Stock Option Agreement and a copy of this Plan will be delivered to the Participant within a reasonable time after the granting of the Option.

6.3 Exercise Period. Options may be exercisable within the times or upon the events determined by the Committee as set forth in the Stock Option Agreement governing such Option; provided, however, that no Option will be exercisable after the expiration of ten (10) years from the date the Option is granted; and provided further that no ISO granted to a person who directly or by attribution owns more than ten percent (10%) of the total combined voting power of all classes of stock of the Company or of any Parent or Subsidiary of the Company ("Ten Percent Stockholder") will be exercisable after the expiration of five (5) years from the date the ISO is granted. The Committee also may provide for Options to become exercisable at one time or from time to time, periodically or otherwise, in such number of Shares or percentage of Shares as the Committee determines, provided, however, that in all events a Participant will be entitled to exercise an Option at the rate of at least 20% per year over five (5) years from the date of grant, subject to reasonable conditions such as continued employment; and further provided that an Option granted to a Participant who is an officer or director may become fully exercisable, subject to reasonable conditions such as continued employment, at any time or during any period established by the Company.

6.4 Exercise Price. The Exercise Price of an Option will be determined by the Committee when the Option is granted and may be not less than 85% of the Fair Market Value of the Shares on the date of grant; provided that: (a) the Exercise Price of an ISO will be not less than 100% of the Fair Market Value of the Shares on the date of grant; and (b) the Exercise Price of any Option granted to a Ten Percent Stockholder will not be less than 110% of the Fair Market Value of the Shares on the date of grant. Payment for the Shares purchased may be made in accordance with Section 11 of this Plan.

6.5 Method of Exercise. Options may be exercised only by delivery to the Company of a written stock option exercise agreement (the "Exercise Agreement") in a form approved by the Committee, (which need not be the same for each Participant), stating the number of Shares being purchased, the restrictions imposed on the Shares purchased under such Exercise Agreement, if any, and such representations and agreements regarding the Participant's investment intent and access to information and other matters, if any, as may be required or desirable by the Company to comply with applicable securities laws, together with payment in full of the Exercise Price for the number of Shares being purchased.

6.6 Termination. Notwithstanding the exercise periods set forth in the Stock Option Agreement, exercise of an Option will always be subject to the following:

(a) If the Participant's service is Terminated for any reason except death or Disability, then the Participant may exercise such Participant's Options only to the extent that such Options would have been exercisable upon the Termination Date no later than six (6) months after the Termination Date (or such longer time period not exceeding five (5) years as may be determined by the Committee, with any exercise beyond three (3) months after the Termination Date deemed to be an NQSO). Notwithstanding the foregoing, in the event the terminating Participant is a director of the Company, and such director has served on the Board of Directors for a term of not less than twenty four (24) consecutive months immediately prior to the date of such termination, then such terminating Participant's Options shall not be subject to the early termination provisions of this paragraph 6.6(a).

(b) If the Participant's service is Terminated because of the Participant's death or Disability (or the Participant dies within three (3) months after a Termination other than for Cause or because of Participant's Disability), then the Participant's Options may be exercised only to the extent that such Options would have been exercisable by the Participant on the Termination Date and must be exercised by the Participant (or the Participant's legal representative) no later than twelve (12) months after the Termination Date (or such longer time period not exceeding five (5) years as may be determined by the Committee, with any such exercise beyond (i) three (3) months after the Termination Date when the Termination is for any reason other than the Participant's death or Disability, or (ii) twelve (12) months after the Termination Date when the Termination is for Participant's death or Disability, deemed to be an NQSO). Notwithstanding the foregoing, in the event the terminating Participant was a director of the Company on the date of such termination event under this Section 6.6(b), and such director had served on the Board of Directors for a term of not less than twenty four (24) consecutive months immediately prior to the date of such termination, then such terminating Participant's Options shall not be subject to the early termination provisions of this paragraph 6.6(b).

(c) Notwithstanding the provisions in paragraph 6.6(a) above, if the Participant's service is Terminated for Cause, neither the Participant, the Participant's estate nor such other person who may then hold the Option shall be entitled to exercise any Option with respect to any Shares whatsoever, after Termination, whether or not after Termination the Participant may receive payment from the Company or a Subsidiary for vacation pay, for services rendered prior to Termination, for services rendered for the day on which Termination occurs, for salary in lieu of notice, or for any other benefits. For the purpose of this paragraph, Termination shall be deemed to occur on the date when the Company dispatches notice or advice to the Participant that his service is Terminated.

6.7 Limitations on Exercise. The Committee may specify a reasonable minimum number of Shares that may be purchased on any exercise of an Option, provided that such minimum number will not prevent the Participant from exercising the Option for the full number of Shares for which it is then exercisable.

6.8 Limitations on ISOs. The aggregate Fair Market Value (determined as of the date of grant) of Shares with respect to which ISOs are exercisable for the first time by a Participant during any calendar year (under this Plan or under any other incentive stock option plan of the Company or Parent or Subsidiary of the Company) will not exceed $100,000. If the Fair Market Value of Shares on the date of grant with respect to which ISOs are exercisable for the first time by a Participant during any calendar year exceeds $100,000, then the Options for the first $100,000 worth of Shares to become exercisable in such calendar year will be ISOs and the Options for the amount in excess of $100,000 that become exercisable in that calendar year will be NQSOs. In the event that the Code or the regulations promulgated thereunder are amended after the Effective Date of this Plan to provide for a different limit on the Fair Market Value of Shares permitted to be subject to ISOs, such different limit will be automatically incorporated herein and will apply to any Options granted after the effective date of such amendment.

6.9 Modification, Extension or Renewal. The Committee may modify, extend or renew outstanding Options and authorize the grant of new Options in substitution therefor, provided that any such action may not, without the written consent of a Participant, impair any of such Participant's rights under any Option previously granted. Any outstanding ISO that is modified, extended, renewed or otherwise altered will be treated in accordance with Section 424(h) of the Code. The Committee may reduce the Exercise Price of outstanding Options without the consent of Participants affected by a written notice to them; provided, however, that the Exercise Price may not be reduced below the minimum Exercise Price that would be permitted under Section 6.4 of this Plan for Options granted on the date the action is taken to reduce the Exercise Price.

6.10 No Disqualification. Notwithstanding any other provision in this Plan, no term of this Plan relating to ISOs will be interpreted, amended or altered, nor will any discretion or authority granted under this Plan be exercised, so as to disqualify this Plan under Section 422 of the Code or, without the consent of the Participant affected, to disqualify any ISO under Section 422 of the Code.

7. STOCK AWARD.

A Stock Award is an offer by the Company to sell to an eligible person Shares that may or may not be subject to restrictions. The Committee will determine to whom an offer will be made, the number of Shares the person may purchase, the price to be paid (the "Purchase Price"), the restrictions to which the Shares will be subject, if any, and all other terms and conditions of the Stock Award, subject to the following:

7.1 Form of Stock Award. All purchases under a Stock Award made pursuant to this Plan will be evidenced by an Award Agreement (the "Stock Purchase Agreement") that will be in such form (which need not be the same for each Participant) as the Committee will from time to time approve, and will comply with and be subject to the terms and conditions of this Plan. The offer of a Stock Award will be accepted by the Participant's execution and delivery of the Stock Purchase Agreement and payment for the Shares to the Company in accordance with the Stock Purchase Agreement.

7.2 Purchase Price. The Purchase Price of Shares sold pursuant to a Stock Award will be determined by the Committee on the date the Stock Award is granted and may not be less than 85% of the Fair Market Value of the Shares on the grant date, except in the case of a sale to a Ten Percent Stockholder, in which case the Purchase Price will be 100% of the Fair Market Value. Payment of the Purchase Price must be made in accordance with Section 11 of this Plan.

7.3 Terms of Stock Awards. Stock Awards may be subject to such restrictions as the Committee may impose. These restrictions may be based upon completion of a specified number of years of service with the Company or Parent or Subsidiary of the Company or upon completion of the performance goals as set out in advance in the Participant's individual Stock Purchase Agreement. Stock Awards may vary from Participant to Participant and between groups of Participants. Prior to the grant of a Stock Award subject to restrictions, the Committee shall: (a) determine the nature, length and starting date of any Performance Period for the Stock Award; (b) select from among the Performance Factors to be used to measure performance goals, if any; and (c) determine the number of Shares that may be awarded to the Participant. Prior to the transfer of any Stock Award, the Committee shall determine the extent to which such Stock Award has been earned. Performance Periods may overlap and Participants may participate simultaneously with respect to Stock Awards that are subject to different Performance Periods and have different performance goals and other criteria.

7.4 Termination During Performance Period. If a Participant is Terminated during a Performance Period for any reason, then such Participant will be entitled to payment (whether in Shares, cash or otherwise) with respect to the Stock Award only to the extent earned as of the date of Termination in accordance with the Stock Purchase Agreement, unless the Committee determines otherwise.

8. STOCK BONUSES.

8.1 Awards of Stock Bonuses. A Stock Bonus is an award of Shares for extraordinary services rendered to the Company or any Parent or Subsidiary of the Company, which award may or may not be subject to restrictions. A Stock Bonus will be awarded pursuant to an Award Agreement (the "Stock Bonus Agreement") that will be in such form (which need not be the same for each Participant) as the Committee will from time to time approve, and will comply with and be subject to the terms and conditions of this Plan. A Stock Bonus may be awarded upon satisfaction of such performance goals as are set out in advance in the Participant's individual Award Agreement (the "Performance Stock Bonus Agreement") that will be in such form (which need not be the same for each Participant) as the Committee will from time to time approve, and will comply with and be subject to the terms and conditions of this Plan. Stock Bonuses may vary from Participant to Participant and between groups of Participants, and may be based upon the achievement of the Company, Parent or Subsidiary and/or individual performance factors or upon such other criteria as the Committee may determine.

8.2 Terms of Stock Bonuses. The Committee will determine the number of Shares to be awarded to the Participant. Stock Bonuses may be subject to such restrictions as the Committee may impose. These restrictions may be based upon completion of a specified number of years of service with the Company or Parent or Subsidiary of the Company or upon completion of the performance goals as set out in advance in the Participant's individual Performance Stock Bonus Agreement. If the Stock Bonus is being earned upon the satisfaction of performance goals pursuant to a Performance Stock Bonus Agreement, then the Committee will: (a) determine the nature, length and starting date of any Performance Period for each Stock Bonus; (b) select from among the Performance Factors to be used to measure the performance, if any; and (c) determine the number of Shares that may be awarded to the Participant. Prior to the payment of any Stock Bonus, the Committee shall determine the extent to which such Stock Bonuses have been earned. Performance Periods may overlap and Participants may participate simultaneously with respect to Stock Bonuses that are subject to different Performance Periods and different performance goals and other criteria. The number of Shares may be fixed or may vary in accordance with such performance goals and criteria as may be determined by the Committee. The Committee may adjust the performance goals applicable to the Stock Bonuses to take into account changes in law and accounting or tax rules and to make such adjustments as the Committee deems necessary or appropriate to reflect the impact of extraordinary or unusual items, events or circumstances to avoid windfalls or hardships.

8.3 Form of Payment. The earned portion of a Stock Bonus may be paid to the Participant by the Company either currently or on a deferred basis, with such interest or dividend equivalent, if any, as the Committee may determine. Payment of an interest or dividend equivalent (if any) may be made in the form of cash or whole Shares or a combination thereof, either in a lump sum payment or in installments, all as the Committee will determine.

9. STOCK APPRECIATION RIGHTS AND OTHER AWARDS.

9.1 Stock Appreciation Rights. A Stock Appreciation Right ("SAR") is a right to receive a payment, in cash and/or Common Stock of the Company, equal to the excess of (i) the Fair Market Value of a specified number of Shares on the date of exercise (or such amount less than such Fair Market Value as the Committee may determine at any time during a specified period prior to the date of exercise) over (ii) the Fair Market Value of the specified number of Shares on the date the SAR was granted. The Committee may award SARs subject to such terms and conditions, not inconsistent with the provisions of this Plan, as the Committee may determine from time to time. The Committee shall determine, in its sole discretion, whether payment of an SAR will be made in cash, Common Stock of the Company, other property or any combination thereof. SARS granted hereunder will have a maximum term of ten (10) years.

9.2 Other Awards. The Committee may grant other awards under this Plan, including stock units, phantom stock, dividend equivalents, similar securities with a value derived from the value of or related to the Common Stock of the Company and/or returns thereon, or any combination thereof.

10. DEFERRALS AND SETTLEMENTS.

The Committee may require or permit participants to elect to defer the issuance of Shares or the settlement of Awards in cash under such rules and procedures as it may establish under this Plan. The Committee also may provide that deferred settlements include the payment or crediting of interest or other earnings on the deferral amounts, or the payment or crediting of dividend equivalents where the deferred amounts are denominated in Shares.

11. PAYMENT FOR SHARE PURCHASES.

Payment for Shares purchased pursuant to this Plan may be made in cash (by check) or, where expressly approved for the Participant by the Committee and where permitted by law:

(a) by cancellation of indebtedness of the Company to the Participant;

(b) by surrender of shares that either: (1) have been owned by the Participant for more than six (6) months and have been paid for within the meaning of SEC Rule 144; or (2) were obtained by the Participant in the public market;

(c) by waiver of compensation due or accrued to the Participant for services rendered;

(d) with respect only to purchases upon exercise of an Option, and provided that a public market for the Company's stock exists:

(1) through a "same day sale" commitment from the Participant and a broker-dealer that is a member of the Financial Industry Regulatory Authority (a "FINRA Dealer") whereby the Participant irrevocably elects to exercise the Option and to sell a portion of the Shares so purchased to pay for the Exercise Price, and whereby the FINRA Dealer irrevocably commits upon receipt of such Shares to forward the Exercise Price directly to the Company; or

(2) through a "margin" commitment from the Participant and a FINRA Dealer whereby the Participant irrevocably elects to exercise the Option and to pledge the Shares so purchased to the FINRA Dealer in a margin account as security for a loan from the FINRA Dealer in the amount of the Exercise Price, and whereby the FINRA Dealer irrevocably commits upon receipt of such Shares to forward the Exercise Price directly to the Company; or

(e) by any combination of the foregoing.

12. WITHHOLDING TAXES.

12.1 Withholding Generally. Whenever Shares are to be issued in satisfaction of Awards granted under this Plan, the Company may require the Participant to remit to the Company an amount sufficient to satisfy federal, state and local withholding tax requirements prior to the delivery of any certificate or certificates for such Shares. Whenever, under this Plan, payments in satisfaction of Awards are to be made in cash, such payment will be net of an amount sufficient to satisfy federal, state, and local withholding tax requirements.

12.2 Stock Withholding. When, under applicable tax laws, a participant incurs tax liability in connection with the exercise or vesting of any Award that is subject to tax withholding and the Participant is obligated to pay the Company the amount required to be withheld, the Committee may allow the Participant to satisfy the minimum withholding tax obligation by electing to have the Company withhold from the Shares to be issued that number of Shares having a Fair Market Value equal to the minimum amount required to be withheld, determined on the date that the amount of tax to be withheld is to be determined. All elections by a Participant to have Shares withheld for this purpose will be made in accordance with the requirements established by the Committee and will be in writing in a form acceptable to the Committee.

13. PRIVILEGES OF STOCK OWNERSHIP.

13.1 Voting and Dividends. No Participant will have any of the rights of a stockholder with respect to any Shares until the Shares are issued to the Participant. After Shares are issued to the Participant, the Participant will be a stockholder and will have all the rights of a stockholder with respect to such Shares, including the right to vote and receive all dividends or other distributions made or paid with respect to such Shares; provided that, if such Shares are issued pursuant to a Stock Award with restrictions, then any new, additional or different securities the Participant may become entitled to receive with respect to such Shares by virtue of a stock dividend, stock split or any other change in the corporate or capital structure of the Company will be subject to the same restrictions as the Stock Award; provided, further, that the Participant will have no right to retain such stock dividends or stock distributions with respect to Shares that are repurchased at the Participant's Purchase Price or Exercise Price pursuant to Section 17.

13.2 Financial Statements. The Company will provide financial statements to each Participant prior to such Participant's purchase of Shares under this Plan, and to each Participant annually during the period such Participant has Awards outstanding; provided, however, the Company will not be required to provide such financial statements to Participants whose services in connection with the Company assure them access to equivalent information.

14. NON-TRANSFERABILITY.

Awards of Shares granted under this Plan, and any interest therein, will not be transferable or assignable by the Participant, and may not be made subject to execution, attachment or similar process, other than by will or by the laws of descent and distribution. Awards of Options granted under this Plan, and any interest therein, will not be transferable or assignable by the Participant, and may not be made subject to execution, attachment or similar process, other than by will or by the laws of descent and distribution, by instrument to an inter vivos or testamentary trust in which the Options are to be passed to beneficiaries upon the death of the trustor, or by gift to "immediate family" as that term is defined in 17 C.F.R. 240.16a-1(e). During the lifetime of the Participant, an Award will be exercisable only by the Participant. During the lifetime of the Participant, any elections with respect to an Award may be made only by the Participant unless otherwise determined by the Committee and set forth in the Award Agreement with respect to Awards that are not ISOs.

15. CERTIFICATES.

All certificates for Shares or other securities delivered under this Plan will be subject to such stop transfer orders, legends and other restrictions as the Committee may deem necessary or advisable, including restrictions under any applicable federal, state or foreign securities law, or any rules, regulations and other requirements of the SEC or any stock exchange or automated quotation system upon which the Shares may be listed or quoted.

16. ESCROW; PLEDGE OF SHARES.

To enforce any restrictions on a Participant's Shares, the Committee may require the Participant to deposit all certificates representing Shares, together with stock powers or other instruments of transfer approved by the Committee appropriately endorsed in blank, with the Company or an agent designated by the Company to hold in escrow until such restrictions have lapsed or terminated, and the Committee may cause a legend or legends referencing such restrictions to be placed on the certificates.

17. EXCHANGE AND BUYOUT OF AWARDS.

The Committee, at any time or from time to time, may authorize the Company, with the consent of the respective Participants, to issue new Awards in exchange for the surrender and cancellation of any or all outstanding Awards. The Committee, at any time, may buy from a Participant an Award previously granted with payment in cash, Shares or other consideration, based on such terms and conditions as the Committee and the Participant may agree.

18. SECURITIES LAW AND OTHER REGULATORY COMPLIANCE.

An Award will not be effective unless such Award is in compliance with all applicable federal and state securities laws, rules and regulations of any governmental body, and the requirements of any stock exchange or automated quotation system upon which the Shares may then be listed or quoted, as they are in effect on the date of grant of the Award and also on the date of exercise or other issuance. Notwithstanding any other provision in this Plan, the Company will have no obligation to issue or deliver certificates for Shares under this Plan prior to: (a) obtaining any approvals from governmental agencies that the Company determines are necessary or advisable; and/or (b) completion of any registration or other qualification of such Shares under any state or federal law or ruling of any governmental body that the Company determines to be necessary or advisable. The Company will be under no obligation to register the Shares with the SEC or to effect compliance with the registration, qualification or listing requirements of any state securities laws, stock exchange or automated quotation system, and the Company will have no liability for any inability or failure to do so.

19. NO OBLIGATION TO EMPLOY.

Nothing in this Plan or any Award granted under this Plan will confer or be deemed to confer on any Participant any right to continue in the employ of, or to continue any other relationship with, the Company or any Parent or Subsidiary of the Company or limit in any way the right of the Company or any Parent or Subsidiary of the Company to terminate Participant's employment or other relationship at any time, with or without cause.

20. CORPORATE TRANSACTIONS.

20.1 Assumption or Replacement of Awards by Successor. In the event of (a) a dissolution or liquidation of the Company, (b) a merger or consolidation in which the Company is not the surviving corporation (other than a merger or consolidation with a wholly owned subsidiary, a reincorporation of the Company in a different jurisdiction, or another transaction in which there is no substantial change in the stockholders of the Company or their relative stock holdings and the Awards granted under this Plan are assumed, converted or replaced by the successor corporation, which assumption will be binding on all Participants), (c) a merger in which the Company is the surviving corporation but after which the stockholders of the Company immediately prior to such merger (other than any stockholder that merges, or that owns or controls another corporation that merges, with the Company in such merger) cease to own their shares or other equity interest in the Company, (d) the sale of substantially all of the assets of the Company, or (e) the acquisition, sale, or transfer of more than 50% of the outstanding shares or the Company by tender offer or similar transaction, any or all outstanding Awards may be assumed, converted or replaced by the successor corporation (if any), which assumption, conversion or replacement will be binding on all Participants. In the alternative, the successor corporation may substitute equivalent Awards or provide substantially similar consideration to Participants as was provided to stockholders (after taking into account the existing provisions of the Awards). The successor corporation may also issue, in place of outstanding Shares of the Company held by the Participant, substantially similar shares or other property subject to repurchase restrictions no less favorable to the Participant. In the event such successor corporation (if any) refuses to assume or substitute Awards, as provided above, pursuant to a transaction described in this Subsection 20.1, (i) the vesting of any or all Awards granted pursuant to this Plan will accelerate upon a transaction described in this Section 20 and (ii) any or all Options granted pursuant to this Plan will become exercisable in full prior to the consummation of such event at such time and on such conditions as the Committee determines. If such Options are not exercised prior to the consummation of the corporate transaction, they shall terminate at such time as determined by the Committee.

20.2 Other Treatment of Awards. Subject to any greater rights granted to Participants under the foregoing provisions of this Section 20, in the event of the occurrence of any transaction described in Section 20.1, any outstanding Awards will be treated as provided in the applicable agreement or plan of merger, consolidation, dissolution, liquidation, or sale of assets.

20.3 Assumption of Awards by the Company. The Company, from time to time, also may substitute or assume outstanding awards granted by another company, whether in connection with an acquisition of such other company or otherwise, by either: (a) granting an Award under this Plan in substitution of such other company's award; or (b) assuming such award as if it had been granted under this Plan if the terms of such assumed award could be applied to an Award granted under this Plan. Such substitution or assumption will be permissible if the holder of the substituted or assumed award would have been eligible to be granted an Award under this Plan if the other company had applied the rules of this Plan to such grant. In the event the Company assumes an award granted by another company, the terms and conditions of such award will remain unchanged (except that the exercise price and the number and nature of Shares issuable upon exercise of any such option will be adjusted appropriately pursuant to Section 424(a) of the Code). In the event the Company elects to grant a new Option rather than assuming an existing option, such new Option may be granted with a similarly adjusted Exercise Price.

21. ADOPTION AND STOCKHOLDER APPROVAL.

This Plan will become effective on the date on which it is adopted by the Board (the "Effective Date"). Upon the Effective Date, the Committee may grant Awards pursuant to this Plan. The Company intends to seek stockholder approval of the Plan within twelve (12) months after the date this Plan is adopted by the Board; provided, however, if the Company fails to obtain stockholder approval of the Plan during such 12-month period, pursuant to Section 422 of the Code, any Option granted as an ISO at any time under the Plan will not qualify as an ISO within the meaning of the Code and will be deemed to be an NQSO.

22. TERM OF PLAN/GOVERNING LAW.

Unless earlier terminated as provided herein, this Plan will terminate ten (10) years from the date this Plan is adopted by the Board or, if earlier, the date of stockholder approval. This Plan and all agreements thereunder shall be governed by and construed in accordance with the laws of the State of California.

23. AMENDMENT OR TERMINATION OF PLAN.

The Board, at any time, may terminate or amend this Plan in any respect, including without limitation amendment of any form of Award Agreement or instrument to be executed pursuant to this Plan; provided, however, that the Board will not, without the approval of the stockholders of the Company, amend this Plan in any manner that requires such stockholder approval.

24. NONEXCLUSIVITY OF THE PLAN.

Neither the adoption of this Plan by the Board, the submission of this Plan to the stockholders of the Company for approval, nor any provision of this Plan will be construed as creating any limitations on the power of the Board to adopt such additional compensation arrangements as it may deem desirable, including, without limitation, the granting of stock options and bonuses otherwise than under this Plan, and such arrangements may be either generally applicable or applicable only in specific cases.

25. ACTION BY COMMITTEE.

Any action permitted or required to be taken by the Committee or any decision or determination permitted or required to be made by the Committee pursuant to this Plan shall be taken or made in the Committee's sole and absolute discretion.

Exhibit 5

Law Office of Jennifer A. Post
340 North Camden Drive, Suite 302
Beverly Hills, California 90210

August 2, 2010

Aethlon Medical, Inc.
8910 University Center Lane, Suite 660
San Diego, California 92122

Re: 2010 Stock Incentive Plan and Joyce Restricted Stock Award

Ladies and Gentlemen:

We have acted as counsel to Aethlon Medical, Inc., a Nevada corporation (the "Company"), in connection with the preparation of the filing with the Securities and Exchange Commission under the Securities Act of 1933, as amended (the "Securities Act"), of the Company's Registration Statement on Form S-8 relating to 7,500,000 shares of the Company's common stock (the "Shares"), 3,500,000 of which may be issued pursuant to the Aethlon Medical, Inc. 2010 Stock Incentive Plan (the "Plan") and 4,000,000 of which are issuable pursuant to an individual award of restricted stock to Mr. James A. Joyce, the Company's Chief Executive Officer (the "Joyce Grant"). This opinion letter is being furnished to the Company in accordance with the requirements of Item 601(b)(5) of Regulation S-K of the Securities Act, and no opinion is expressed herein as to any matter other than as to the validity of the Shares.

In connection with that registration, we have reviewed the proceedings of the Board of Directors of the Company relating to the registration and proposed issuance of the Shares, the Articles of Incorporation of the Company and all amendments thereto, the Bylaws of the Company and all amendments thereto, and such other documents and matters as we have deemed necessary to the rendering of the following opinion.

As to the facts on which this opinion is based, we have relied upon certificates of public officials and certificates and written statements of officers and representatives of the Company.

In our examination, we have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as original documents, the conformity to original documents of all documents submitted to us as copies and the legal capacity of natural persons.

The opinion expressed herein is limited to the General Corporation Law of the State of Nevada, including the applicable provisions of the Nevada Constitution and the reported judicial decisions interpreting such law, in each case as currently in effect, and we express no opinion as to the effect of the laws of any other jurisdiction. In addition, we have assumed that the resolutions authorizing the Company to issue or deliver and sell the Shares pursuant to the Plan, the Joyce Grant and any applicable award agreements will be in full force and effect at all times at which such Shares are issued or delivered or sold by the Company and that the Company will take no action inconsistent with such resolutions.

In rendering the opinion below, we have assumed that each award under the Plan will be approved by the Board of Directors of the Company or an authorized committee of the Board of Directors.

Based upon that review, it is our opinion that the Shares, when issued, will be legally issued, fully paid, and nonassessable. We do not find it necessary for the purposes of this opinion to cover, and accordingly we express no opinion as to the application of, the securities or blue sky laws of the various states of the United States to the issuance and sale of the Shares.

We assume no obligation to advise you of any changes in the foregoing subsequent to the date hereof.

We consent to the use of this opinion in the registration statement filed with the Securities and Exchange Commission in connection with the registration of the Shares. In giving such consent, we do not thereby admit that we are included in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Securities and Exchange Commission promulgated thereunder.

/s/ Law Office of Jennifer A. Post

Exhibit 23.1

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference into this Form S-8 Registration Statement of Aethlon Medical, Inc. of our report, dated June 30, 2010, relating to the consolidated balance sheets of Aethlon Medical, Inc. and Subsidiaries (the "Company") as of March 31, 2010 and 2009 and the related consolidated statements of operations, stockholders' deficit and cash flows for each of the years in the two-year period ended March 31, 2010 and the period January 31, 1984 (inception) through March 31, 2010 (which includes an explanatory paragraph expressing substantial doubt as to the Company's ability to continue as a going concern) appearing in the Company's Annual Report on Form 10-K of Aethlon Medical, Inc. for the year ended March 31, 2010.

/s/ SQUAR, MILNER, PETERSON, MIRANDA & WILLIAMSON, LLP

San Diego, California
August 2, 2010

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