

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

**Amendment No. 1  
FORM S-1**

**REGISTRATION STATEMENT  
UNDER THE SECURITIES ACT OF 1933**

**ANTRIABIO, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**

(State or other jurisdiction of  
incorporation)

**000-54495**

(Commission file number)

**27-3440894**

(IRS Employer Identification  
No.)

**1450 Infinite Drive  
Louisville, CO 80027  
(303)222-2128**

(Address, including zip code, and telephone number, including area code of registrant's principal executive offices)

**AntriaBio, Inc.  
Attn: Nevan Elam, CEO  
1450 Infinite Drive  
Louisville, CO 80027  
(303)222-2128**

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies of communications to:

**Dorsey & Whitney LLP  
Attn: Michael L. Weiner  
1400 Wewetta Street, Suite 400  
Denver, CO 80202  
(303) 629-3400**

**Approximate date of commencement of proposed sale to the public:** From time to time after the effective date of this registration statement.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933 check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

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

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

(Do not check if a smaller reporting company)

Emerging Growth Company

If an emerging growth company, indicate by check mark if the Registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 17(a)(2)(B) of the Securities Act.

### Calculation of Registration Fee

Title of Each Class 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, \$0.001 to be offered for resale by the selling stockholders issued in connection with the Stock Financings (as defined herein).	5,100,000	\$ 1.07	\$ 5,457,000	\$ 679.40
Total Registration Fee	5,100,000		\$ 5,457,000	\$ 679.40(3)

- (1) Pursuant to Rule 416 under the Securities Act of 1933, as amended (the “**Securities Act**”), the shares of common stock being registered hereunder also include an indeterminate number of additional shares of common stock as may become issuable as a result of stock splits, stock dividends, stock distributions and similar transactions.
- (2) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(c) and Rule 457(g) under the Securities Act using the average of the high and low prices of the common stock on the OTCQB on September 18, 2017.
- (3) Registration fee previously paid.

**This registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with section 8(a) of the Securities Act of 1933 or until the Registration Statement shall become effective on such date as the commission, acting pursuant to section 8(a) may determine.**

**The information in this prospectus is not complete and may be changed. Our selling stockholders may not sell these securities until the registration statement filed with the U.S. Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.**

**SUBJECT TO COMPLETION, DATED OCTOBER 31, 2017  
ANTRIABIO, INC.**

**PRELIMINARY PROSPECTUS**



5,100,000 Shares of Common Stock

This prospectus relates to the resale, from time to time by certain selling stockholders (the “**selling stockholders**”), of up to an aggregate 5,100,000 shares of our common stock consisting of 5,100,000 shares of common stock issued to selling stockholders in connection with the Stock Financing (as defined herein).

We will not receive any of the proceeds from the resale of these shares of our common stock by the selling stockholders.

The selling stockholders may sell or otherwise dispose of the shares of common stock covered by this prospectus or interests therein on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices. Additional information about the selling stockholders, and the times and manner in which they may offer and sell shares of our common stock under this prospectus, is provided in the sections entitled “*Selling Stockholders*” and “*Plan of Distribution*” of this prospectus.

Our common stock is presently quoted on the OTCQB under the symbol “ANTB”. On October 26, 2017, the closing bid price of our common stock was \$1.10 per share of common stock.

We issued an aggregate 5,100,000 of the shares covered by this prospectus in the Stock Financing. Additional information about the Stock Financing is provided in the section entitled “*Description of Private Placements*” of this prospectus.

**You should consider carefully the risks that we have described in the section entitled “Risk Factors” beginning on Page 9 of this prospectus before deciding whether to invest in our common stock.**

**Neither the U.S. 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 prospectus is \_\_\_\_\_, 2017

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*You may only rely on the information contained in this prospectus or that we have referred you to. We have not authorized anyone to provide you with different information. This prospectus does not constitute an offer to sell or a solicitation of an offer to buy any securities other than the common stock offered by this prospectus. This prospectus does not constitute an offer to sell or a solicitation of an offer to buy any common stock in any circumstances in which such offer or solicitation is unlawful. Neither the delivery of this prospectus nor any sale made in connection with this prospectus shall, under any circumstances, create any implication that there has been no change in our affairs since the date of this prospectus or that this prospectus is correct as of any time after its date.*

## ABOUT THE PROSPECTUS

In this prospectus, references to the “Company,” “AntriaBio,” “we,” “us,” “Antria Delaware,” and “our” and similar terms refer to AntriaBio, Inc. References to our “common stock” refer to the common stock, par value \$0.001 per share, of AntriaBio, Inc.

You should read this prospectus together with information incorporated herein by reference as described under the heading “Documents Incorporated by Reference” and the additional information described under the headings “Where You Can Find More Information.” If there is any inconsistency between the information in this prospectus and the documents incorporated by reference herein, you should rely on the information in this prospectus.

You should rely only on the information contained in or incorporated by reference in this prospectus. We have not authorized any other person to provide information different from that contained in this prospectus and the documents incorporated by reference herein. If anyone provides you with different or inconsistent information, you should not rely on it. You should assume that the information appearing in this prospectus is accurate as of the dates on the cover page, regardless of time of delivery of the prospectus or any sale of securities. Our business, financial condition, results of operation and prospects may have changed since those dates.

### SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

Information set forth in this prospectus and the information it incorporates by reference may contain various “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. All information relative to future markets for our products and trends in and anticipated levels of revenue, gross margins and expenses, as well as other statements containing words such as “believe,” “project,” “may,” “will,” “anticipate,” “target,” “plan,” “estimate,” “expect” and “intend” and other similar expressions constitute forward-looking statements. These forward-looking statements are subject to business, economic and other risks and uncertainties, both known and unknown, and actual results may differ materially from those contained in the forward-looking statements. Examples of risks and uncertainties that could cause actual results to differ materially from historical performance and any forward-looking statements include, but are not limited to, the risks described under the heading “Risk Factors” beginning on page 9 of this prospectus, in our most recent Annual Report on Form 10-K, as well as any subsequent filings with the United States Securities and Exchange Commission. Given these risks, uncertainties and other factors, you should not place undue reliance on these forward-looking statements. Also, these forward-looking statements represent our estimates and assumptions only as of the date such forward-looking statements are made. You should read carefully this prospectus and any related free writing prospectuses that we have authorized for use in connection with this offering, together with the information incorporated herein or therein by reference as described under the heading “Where You Can Find More Information,” completely and with the understanding that our actual future results may be materially different from what we expect. We hereby qualify all of our forward-looking statements by these cautionary statements. Except as required by law, we assume no obligation to update these forward-looking statements publicly or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

## PROSPECTUS SUMMARY

*This summary highlights selected information about AntriaBio, Inc. and a general description of the securities that may be offered for resale or other disposition by the selling stockholders. This summary is not complete and does not contain all of the information that may be important to you. For a more complete understanding of us and the securities offered by the selling stockholders, you should carefully read this entire prospectus, including the “Risk Factors” section, any applicable prospectus supplement for these securities and the other documents we refer to and incorporate by reference. In particular, we incorporate important business and financial information into this prospectus by reference.*

### ANTRIABIO, INC.

AntriaBio, Inc. (“**AntriaBio**”, the “**Company**”, “**we**” or “**us**”) is a clinical stage biopharmaceutical company specializing in the development of innovative drug therapies to improve the lives of patients with diabetes and metabolic diseases. We apply our proprietary formulation and manufacturing capabilities to known, well-characterized molecules to create differentiated, patent-protected therapies that have the potential to significantly improve existing standards of care.

### Our Pipeline

#### (1) **AB101**

Our first product candidate (“**AB101**”), a microsphere formulation of PEGylated human recombinant insulin, is being developed as an extended acting basal insulin intended for once-weekly subcutaneous injection, for use alone and in combination with bolus prandial insulin or oral glucose lowering therapies, to improve glycemic control in patients with Type 1 and Type 2 Diabetes Mellitus. We believe AB101 has the potential to provide a near peak-less, slow and uniform release of basal insulin. The current standard of care in the \$11 billion basal insulin market is daily or twice-a-day injections.

In the first and second quarters of calendar year end 2017, we successfully manufactured and filled vials of AB101 in our facilities in Louisville, Colorado. In June of 2017 we filed an Investigational New Drug (“**IND**”) application for AB101 with the US Food and Drug Administration (“**FDA**”).

In July of 2017, we dosed our first patient in our Phase 1 first-in-human clinical trial of AB101. The Phase 1 clinical trial is a first-in-human single ascending dose study to assess the safety and tolerability, pharmacokinetics and pharmacodynamics of AB101 in patients with Type 1 Diabetes Mellitus. The first study part will be sequential cohort dose ranging of AB101, while an optional second study part will compare one or more tested doses of AB101 from part 1 to active comparator Lantus<sup>®</sup> (insulin glargine). In addition to safety and pharmacokinetic assessments, the time-action pharmacology of AB101 (onset, peak, and end of action) will be evaluated using several measures of glycemic response, including the hyperinsulinemic euglycemic clamp technique, continuous glucose monitoring, and background insulin use.

Following the completion of the first part of the study, the Company expects to review data and announce high-level results as early as the fourth quarter of calendar year 2017.

In addition, the Company plans to conduct a Phase 2 program to assess and confirm the intended dosing profile, specifically of the once-weekly dosing frequency, and for dose-ranging. The Phase 3 registration program will comprise multiple studies to compare efficacy and safety to currently available basal insulins, in various combinations with bolus insulin and/or oral glucose lowering agents. It will be of adequate size to meet recommended guidance for assessing chronic safety when used for Diabetes Mellitus.

## **(2) AB301**

As a potential treatment for patients with Type 2 diabetes, AB301 is a once-weekly injectable combination of a PEGylated human glucagon-like peptide-1 (“**GLP-1**”) agonist and AB101, our basal insulin lead product candidate. We believe that there is a potential advantage of combining a GLP-1 agonist with basal insulin to complement glycemic control while attenuating weight gain and hypoglycemic risk. As a once-weekly injectable therapy, AB301 would be differentiated from potential competing combination therapies that require daily injections. In vitro and in vivo studies completed to date indicate that AB301 has the potential to be a well-tolerated, effective therapy for Type 2 diabetes and we are engaged in ongoing preclinical studies of AB301.

### ***Licensing Agreement: Plasma Kallikrein Inhibitors***

On August 4, 2017, we licensed from ActiveSite Pharmaceuticals, Inc. (“**ActiveSite**”) their oral plasma kallikrein inhibitor portfolio (“**Portfolio**”) targeting the treatment of diabetic macular edema (“**DME**”) and other plasma kallikrein-mediated diseases such as hereditary angioedema.

ActiveSite has generated proof-of-concept data for their orally-administered plasma kallikrein inhibitors in clinically-relevant animal models of macular edema, and we will leverage that data to complete IND-enabling toxicology studies and prepare for human clinical trials.

Diabetic macular edema is the main cause of vision loss in working-age adults in the U.S. and worldwide. It results from a breakdown of the blood-retinal barrier and an increase in ‘retinal vascular permeability’ (RVP), caused by a diverse group of conditions, including diabetes. An estimated 750,000 individuals in the U.S. and another 6 to 9 million worldwide have diabetic macular edema, and these numbers are expected to grow as the incidence of diabetes increases globally. In the United States, current treatment approaches directly target the VEGF pathway, and are dominated by anti-VEGF agents such as ranibizumab, bevacizumab and aflibercept, which must be injected by retinal specialists on a monthly or bimonthly basis, into the eye. The extent of therapeutic benefit received from these agents directly correlates with adherence to this administration route and regimen, which is a significant burden for both patients and their healthcare providers, leading to high rates of non-adherence to treatment regimens, and therefore sub-optimal therapeutic outcomes.

### **Capital Requirements**

As of June 30, 2017, we have approximately \$4.5 million in cash on hand to fund our operations. Since inception, we have raised over \$50 million, which has enabled us to advance our microsphere platform, including initiating our first-in-human clinical study for our lead product candidate, AB101, a potential once-weekly injectable basal insulin for patients with Type 1 and Type 2 diabetes.

We remain focused on ensuring we have sufficient capital to fund our ongoing operations. We have raised approximately \$13 million in calendar year 2017 from individual investors in the US as well as pharmaceutical companies and funds in the Republic of Korea. The Company is targeting another total raise of at least \$15 million, which we expect will allow us to sustain operations through the end of calendar year 2018. In addition to funding additional clinical studies of AB101, the incremental funding will allow us to advance our pipeline and cover general and administrative expenses. The Company has also been actively conducting animal studies to screen potential new product candidates as we seek to evolve our drug pipeline. Prior to the end of calendar year 2017, the Company expects to achieve proof of concept in animals for at least one potential pipeline drug candidate which will support advancing that candidate into IND-enabling studies in 2018.

Nonetheless, no assurance can be given that the Company will be successful in its efforts in raising additional capital. Further, if the Company is unsuccessful, the lack of funding will materially and adversely impact the Company’s business and prospects. In particular, our ability to raise additional capital is substantially dependent upon results from the Study and in the event that such results fail to meet or exceed expectations, we may not be able to attract additional capital to support the continuation of the program or overall operations.

The continuation of our business is dependent upon obtaining further financings and achieving a break even or profitable level of operations in our business. The issuance of additional equity securities by us could result in a significant dilution in the equity interests of our current or future stockholders. Obtaining commercial loans, assuming those loans would be available, will increase our liabilities and future cash commitments. There are no assurances that we will be able to obtain additional financing through private placements and/or bank financing or other means necessary to support our working capital requirements. To the extent that funds generated from operations and any private placements, public offerings and/or bank financing are insufficient, we will have to raise additional working capital. No assurance can be given that additional financing will be available, or if available, will be on terms acceptable to us. These conditions raise substantial doubt about our ability to continue as a going concern.

#### **Risks that We Face**

Our Business is subject to numerous risks and uncertainties, including those highlighted in the section entitled “Risk Factors” beginning on page 9. These risks include, among others, the following:

- We are a preclinical stage company and we do not have, and may never have, any products that generate significant revenues.
- We will need substantial additional capital to fund our operations and if we fail to obtain additional capital, we may be unable to complete the development and commercialization of our product candidates or continue our research and development programs.
- We rely on a single product candidate, and if the market does not develop for that candidate it could adversely impact our operating results.
- Adverse events in our clinical trials may force us to stop development of our product candidate or prevent regulatory approval of our product candidates.
- As our product candidates advance through clinical trials, they may not have favorable results or receive regulatory approval.

#### **Corporate Information**

Our principal executive offices are located at 1450 Infinite Drive, Louisville, CO 80027, and our telephone number is (303) 222-2128. Our internet address is <http://www.antriabio.com>. The information on our website is not incorporated by reference into this prospectus, and you should not consider it part of this prospectus.



**The Offering**

Common stock offered by selling stockholders	5,100,000 shares of common stock consisting of shares of common stock issued to selling stockholders in connection with the Stock Financing.
Common stock offered by us	None.
Common stock outstanding after this offering	53,728,640
Use of Proceeds	We will not receive any of the proceeds from the resale or other disposition of the shares of our common stock covered by this prospectus by the selling stockholders
OTCQB symbol for our Common Stock	“ANTB”
Risk Factors	Investing in our common stock involves a high degree of risk. See the “Risk Factors” section of this prospectus on page 9 for a discussion of factors you should consider carefully before deciding to invest in our securities.

## DESCRIPTION OF PRIVATE PLACEMENTS

During the first fiscal quarter of 2017, our management and board of directors (the “**Board**”) entered into discussions with respect to potential equity opportunities to raise up to \$15,000,000 to address the Company’s working capital needs. As a result of these discussions, the Company began an equity financing.

### **Stock Financing**

On July 17, 2017, we closed a private placement transaction (the “**Stock Financing**”) with approximately 11 accredited investors for 12,776,190 shares of common stock at a price per share of \$1.00 per share.

### **Placement Agent Compensation**

As compensation for its efforts in the Stock Financing, we paid placement agent fees of approximately \$60,000.

### **Registration Rights**

Pursuant to our contractual obligations under Stock Financing, we are required to file a registration statement (the “**Registration Statement**”) under the United States Securities Act of 1933, as amended (the “**Securities Act**”) within ninety (90) days following the close of the Stock Financing. The Registration Statement covers the shares of common stock issued pursuant to the Stock Financing. We have agreed to take all necessary actions and make all necessary filings to keep the Registration Statement effective for a period that extends from the first date on which the United States Securities and Exchange Commission (the “**SEC**”) issues an order of effectiveness in relation to the Registration Statement until such date as our legal counsel issues a legal opinion asserting that the shares of our common stock registered for resale under this prospectus are available for resale under Rule 144 of the Securities Act. On October 20, 2017, certain affiliated investors in the Stock Financing waived their registration rights. This Registration Statement does not cover shares held by investors that waived their registration rights.

## RISK FACTORS

*An investment in us involves a high degree of risk. You should consider carefully the following information about these risks before deciding to purchase any of our securities. If any of the events or developments described below actually occurs, our business, results of operations and financial condition would likely suffer. In these circumstances, you may lose all or part of your investment. In addition, it is also possible that other risks and uncertainties that affect our business may arise or become material in the future.*

### **Risks Related to Our Business**

***We will need substantial additional capital to fund our operations. If we fail to obtain additional capital, we may be unable to sustain operations.***

Our operations consume substantial amounts of cash and we expect that our cash used by operations will continue to increase for the next several years. As of June 30, 2017, we had approximately \$4.5 million in cash on hand. We will need to raise additional capital prior to the end of the first quarter of calendar year 2018 in order to sustain our operations and we estimate that we will need at least an additional \$15 million in capital to cover operating expenses through December 2018. If we are unable to raise additional capital, we may have to significantly delay, scale back or discontinue one or more of our drug development or research and development programs. We may be required to cease operations or seek partners for our product candidates at an earlier stage than otherwise would be desirable and on terms that are less favorable than might otherwise be available. In the absence of additional capital we may also be required to relinquish, license or otherwise dispose of rights to technologies, product candidates or products that we would otherwise seek to develop or commercialize ourselves on terms that are less favorable than might otherwise be available.

***Our corporate objectives are dependent upon one another and to the extent that there is a delay or complication in any one objective, our ability to timely complete our other goals could be adversely impacted.***

Our corporate objectives are dependent upon one another and to the extent that there is a delay, complication or failure in any one objective, our ability to complete our other goals in a timely fashion could be adversely impacted. For example, we are currently conducting a Phase 1 first-in-human clinical study of our lead product candidate, AB101, a once-weekly injectable basal insulin for patients with Type 1 and Type 2 Diabetes Mellitus (“Study”) while concurrently expanding our pipeline and advancing additional potential drug candidates towards clinical studies. We anticipate generating results from the Study as early as fourth quarter of calendar year 2017 when we also anticipate needing to raise additional capital. We expect that potential investors will want to review the results from the Study prior to making an investment decision and in the event that the results from the Study do not meet or exceed expectations, we may not be able to raise capital and advance additional pipeline candidates or sustain operations.

***Results of preclinical testing or earlier clinical studies are not necessarily predictive of future results, therefore none of the product candidates we advance into clinical studies may have favorable results in later clinical studies or receive regulatory approval.***

Success in preclinical testing does not ensure that clinical studies will generate adequate data to demonstrate the efficacy and safety of an investigational drug or biologic. For example, while we have generated promising preclinical results for AB101, there is no assurance that we will generate similar data in the Study or additional clinical studies. Even if the Study or other clinical studies for additional programs produces promising results, there is no assurance that such results will be replicated or exceeded in later clinical studies. A number of companies in the biopharmaceutical industry, including those with greater resources and experience, have suffered significant setbacks in clinical studies, even after seeing promising results in earlier preclinical and clinical studies. We do not know whether the Study or any other clinical studies that we may conduct will demonstrate adequate efficacy and safety to justify the continuing advancement of a program. If later stage clinical studies do not produce favorable results, our ability to achieve regulatory approval for any of our product candidates may be adversely impacted. Even if we believe that our product candidates have performed satisfactorily in preclinical testing and clinical studies, we may still fail to obtain FDA approval for our product candidates.

***We may experience delays in our clinical trials that could adversely affect our financial position.***

Many factors could affect the timing of the Study and other clinical trials that we may conduct, including lack of cGMP drug product, slow patient recruitment, the proximity of patients to clinical sites, the eligibility criteria for the trial, competing clinical trials and new drugs approved for the conditions we are investigating. Other companies may be conducting clinical trials or may announce plans for future trials that will be seeking patients with the same indications as those we are studying. As a result of all of these factors, our trials may take longer to enroll patients than we anticipate. Delays in patient enrollment in the trials may increase our costs and slow down our product development and approval process. Our product development costs will also increase if we need to perform more or larger clinical trials than planned. Any delays in completing our clinical trials could adversely impact our cash position and ability to support ongoing operations.

***Due to our reliance on contract research organizations or other third parties to conduct clinical trials, we may not have complete control over the timing, conduct and expense of our clinical trials.***

We rely primarily on third parties to conduct our clinical trials. As a result, we will have less control over the conduct of the clinical trials, the timing and completion of the trials, the required reporting of adverse events and the management of data developed through the trial than would be the case if our own staff conducted all clinical trials. Communicating with outside parties can also be challenging, potentially leading to mistakes and difficulties in coordinating activities. Outside parties may have staffing difficulties, may undergo changes in priorities or may become financially distressed, adversely affecting their willingness or ability to conduct our trials. We may experience unexpected increased costs that are beyond our control. Problems with the timeliness or quality of the work of a contract research organization may lead us to seek to terminate the relationship and use an alternative service provider. However, making this change may be costly and may delay our trials, and contractual restrictions may make such a change difficult or impossible. Additionally, it may be impossible to find a replacement organization that can conduct our trials in an acceptable manner and at an acceptable cost.

***Adverse events in our clinical trials may force us to stop development of our product candidates or prevent regulatory approval of our product candidates.***

Our product candidates may produce serious adverse events in patients during clinical trials. These adverse events could interrupt, delay or halt clinical trials of our product candidates and could result in the FDA, or other regulatory authorities requesting additional preclinical data or denying approval of our product candidates for any or all targeted indications. An institutional review board, independent data safety monitoring board, the FDA, other regulatory authorities or the Company itself may suspend or terminate clinical trials at any time. We cannot assure you that any of our product candidates will prove safe for human use.

***We may not be successful in our efforts to partner AB101 or any of our programs with larger pharmaceutical companies.***

Complete clinical programs through Phase 3 and beyond for drug candidates in diabetes and metabolic diseases are expensive and complex. We estimate that prior any regulatory approval of AB101 more than \$300 million would be required to fund manufacturing scale up and clinical studies. As a result, we expect to partner with a larger pharmaceutical company with broader resources and experience to advance AB101 into later clinical studies. Even if the Study or additional early studies of AB101 produces compelling data supporting the advancement of the program, no assurance can be given that any of the larger pharmaceutical companies will be interested in partnering with us or that we would be able to enter into a collaboration on favorable terms. Our failure to partner AB101 could have a material and adverse impact on our ability to further develop the program or continue our overall operations.

***We may not be successful in our efforts to identify, discover or formulate product pipeline candidates.***

Research and development programs require substantial technical, financial and human resources to identify new product pipeline candidates. Our research and development programs may initially demonstrate success in identifying potential product pipeline candidates but subsequently fail to yield them. Through our research and development programs, if we are unable to formulate innovative long-acting therapies based on our microsphere platform technology or otherwise, our long-term business, financial position, income, expansion and outlook may be materially adversely affected.

***Our competitors may develop and market drugs that are less expensive, more effective or safer than our product candidates.***

The pharmaceutical market is highly competitive. If approved by regulatory agencies and subsequently commercialized, our product candidates that contain currently approved active ingredients will likely face competition from existing products on the market. In particular, if we successfully commercialize AB101, our product candidate would compete directly against Sanofi's Toujeo and Lantus, Novo Nordisk's Levemir and Tresiba and Eli Lilly's Basaglar. Additionally, other pharmaceutical and biotechnology companies may develop improved formulations of the same drugs that compete with drug products we are developing. It is possible that our competitors will develop and market products that are less expensive, more effective or safer than our future products or that will render our products obsolete. We expect that competition from pharmaceutical and biotechnology companies, universities and public and private research institutions will increase. Many of these competitors have substantially greater financial, technical, research and other resources than we do. We may not have the financial resources, technical and research expertise or marketing, distribution or support capabilities to successfully compete with these competitors.

***After the completion of our clinical studies, we cannot predict whether or when we will obtain regulatory approval to commercialize our product candidates and we cannot, therefore, predict the timing of any future revenue from these product candidates.***

Even if we achieve positive clinical results and file for regulatory approval, we cannot commercialize any of our product candidates until the appropriate regulatory agencies have reviewed and approved the applications for such product candidates. We cannot assure that the regulatory agencies will complete their review processes in a timely manner or that we will obtain regulatory approval for any product candidate we develop. Satisfaction of regulatory requirements typically takes many years, is dependent upon the type, complexity and novelty of the product and requires the expenditure of substantial resources. In addition, we may experience delays or rejections based upon additional government regulation from future legislation or administrative action or changes in FDA policy during the period of product development, clinical studies and FDA regulatory review.

***Even if our product candidates receive regulatory approval, they may still face future development and regulatory hurdles.***

Even if US regulatory approval is obtained for a particular drug candidate, the FDA may still impose significant restrictions on marketing, indicated uses and/or require potentially costly post-approval studies or post-market surveillance. For example, the label ultimately approved, if any, may include restrictions on use. Further, the FDA may require that long-term safety data may need to be obtained as a post-market requirement. Even if the FDA or a foreign regulatory agency approves a product candidate, the approval may impose significant restrictions on the indicated uses, conditions for use, labeling, advertising, promotion, marketing and/or production of such product and may impose requirements for post-approval studies, including additional research and development and clinical trials. The FDA and other agencies also may impose various civil or criminal sanctions for failure to comply with regulatory requirements, including substantial monetary penalties and withdrawal of product approval.

In addition, manufacturers of drug products and their facilities are subject to continual review and periodic inspections by the FDA and other regulatory authorities for compliance with current good manufacturing practices and regulations. If we or a regulatory agency discovers previously unknown problems with a product, such as adverse events of unanticipated severity or frequency, or problems with the facility where the product is manufactured, a regulatory agency may impose restrictions on that product, the manufacturing facility or us, including requiring recall or withdrawal of the product from the market or suspension of manufacturing. If we, our product candidates or the manufacturing facilities for our product candidates fail to comply with applicable regulatory requirements, a regulatory agency may:

- issue warning letters or untitled letters;
- seek an injunction or impose civil or criminal penalties or monetary fines;
- suspend or withdraw regulatory approval;
- suspend any ongoing clinical studies;
- refuse to approve pending applications or supplements to applications filed by us;
- suspend or impose restrictions on operations, including costly new manufacturing requirements; or

- seize or detain products, refuse to permit the import or export of products, or require us to initiate a product recall.

The occurrence of any event or penalty described above may inhibit our ability to commercialize our products and generate revenue.

***If any of our product candidates for which we receive regulatory approval does not achieve broad market acceptance, the revenue that we generate from its sales, if any, will be limited***

The commercial success of our product candidates for which we obtain marketing approval from the FDA or other regulatory agencies will depend upon the acceptance of these products by the medical community, including physicians, patients and payors. The degree of market acceptance of any of our approved products will depend on a number of factors, including:

- demonstration of clinical safety and efficacy compared to other products;
- prevalence and severity of any adverse effects;
- limitations or warnings contained in a product's FDA-approved labeling;
- availability of alternative treatments;
- pricing and cost-effectiveness;
- the effectiveness of our or any future collaborators' sales and marketing strategies;
- our ability to obtain and maintain sufficient third-party coverage or reimbursement from government health care programs, including Medicare and Medicaid; and
- the willingness of patients to pay out-of-pocket in the absence of third-party coverage.

If our product candidates are approved, but do not achieve an adequate level of acceptance by physicians, health care payors and patients, we may not generate sufficient revenue from these products, and we may not become or remain profitable. In addition, our efforts to educate the medical community and third-party payors on the benefits of our product candidates may require significant resources and may never be successful.

***Our manufacturing experience is limited.***

The manufacture of drugs for clinical trials and for commercial sale is subject to regulation by the FDA under cGMP regulations and by other regulators under other laws and regulations. We cannot assure you that we can successfully manufacture our products under cGMP regulations or other laws and regulations in sufficient quantities for clinical trials or for commercial sale, or in a timely or economical manner.

Our manufacturing facilities require specialized personnel and are expensive to operate and maintain. Any delay in the regulatory approval of product candidates to be manufactured in these facilities will require us to continue to operate these expensive facilities and retain specialized personnel, which may increase our losses. Construction of our manufacturing facility and original validation has been completed. Validation is an ongoing process that must be maintained to allow us to manufacture under cGMP guidelines. We cannot guarantee that the FDA or any foreign regulatory agencies will approve our other facilities or, once approved, that any of our facilities will remain in compliance with cGMP regulations.

The manufacture of pharmaceutical products is a highly complex process in which a variety of difficulties may arise from time to time. Specifically, the manufacture of microspheres consists of twelve highly engineered unit operations to produce a sterile dry powder in vial for resuspension. We may not be able to resolve any such difficulties with this process in a timely fashion, if at all. We are currently the sole manufacturer of AB101 and if anything were to interfere with our continuing manufacturing operations in our facility, it could materially adversely affect our business and financial condition.

If one or more of our product candidates progress to mid- to late-stage development, we may incur significant expenses in the expansion and/or construction of manufacturing facilities and increases in personnel in order to manufacture product candidates. We cannot assure you that we have the necessary funds or that we will be able to develop this manufacturing infrastructure in a timely or economical manner, or at all.

Currently, our other potential product candidates are manufactured in small quantities for use in various studies. We cannot assure you that we will be able to successfully manufacture additional product candidates at a larger scale in a timely or economical manner, or at all. If and when any of these product candidates are ready for clinical trials, we will need to manufacture them in larger quantities. If we are unable to successfully increase our manufacturing scale or capacity, the regulatory approval of such clinical studies may be delayed.

If we fail to develop manufacturing capacity and experience, fail to manufacture our product candidates economically or on reasonable scale or volumes, or in accordance with cGMP regulations, our development programs and commercialization of any approved products will be materially adversely affected. This may result in delays in filing our IND or in commencing our clinical trials. Any such delays could materially adversely affect our business and financial condition.

***If our product candidates do not meet safety or efficacy requirements, they will not receive regulatory approval and we will be unable to market them.***

The process of drug development, regulatory review and approval typically is expensive, takes many years and the timing of any approval cannot be accurately predicted. If we fail to obtain regulatory approval for our current or future product candidates, we will be unable to market and sell such products and therefore may never be profitable.

As part of the regulatory approval process, we must conduct preclinical studies and clinical trials for each product candidate to demonstrate safety and efficacy. The number of preclinical studies and clinical trials that will be required varies depending on the product candidate, the indication being evaluated, the trial results and regulations applicable to any particular product candidate.

The results of preclinical studies and initial clinical trials of our product candidates do not necessarily predict the results of later-stage clinical trials. Product candidates in later stages of clinical trials may fail to show the desired safety and efficacy despite having progressed through initial clinical trials. We cannot assure you that the data collected from the preclinical studies and clinical trials of our product candidates will be sufficient to support approval by FDA or a foreign regulatory authority. In addition, the continuation of a particular study after review by an independent data safety monitoring board does not necessarily indicate that our product candidate will achieve the clinical endpoint.

The FDA and other regulatory agencies can delay, limit or deny approval for many reasons, including:

- a product candidate may not be safe or effective;
- our manufacturing processes or facility may not meet the applicable requirements; and
- changes in regulatory agency approval policies or adoption of new regulations may require additional clinical trials or work on our end.

Any delay in, or failure to receive or maintain, approval for any of our products could prevent us from ever generating meaningful revenues or achieving profitability.

Our product candidates are prone to the risks of failure inherent in drug development. Before obtaining regulatory approvals for the commercial sale of any product candidate for a target indication, we must demonstrate safety in preclinical studies and effectiveness with substantial evidence gathered in well-controlled clinical studies. With respect to approval in the US, to the satisfaction of the FDA and, with respect to approval in other countries, to the satisfaction of regulatory authorities in those countries, we must demonstrate that the product candidate is safe and effective for use for that target indication and that the manufacturing facilities, processes and controls are adequate.

Despite our efforts, our product candidates may not:

- offer therapeutic benefit or other improvements over existing, comparable therapeutics;
- be proven safe and effective in clinical studies;
- meet applicable regulatory standards;
- be capable of being produced in sufficient quantities at acceptable costs;
- be successfully commercialized; or
- obtain favorable reimbursement.

We are not permitted to market AB101 or any of our other product candidates in the US until we receive approval of a new drug application, or approval of a biologics license application, from the FDA, or in any foreign countries until we receive the requisite approval from such countries. We have not submitted a new drug application or biologics license application or received marketing approval for any of our product candidates.

Preclinical testing and clinical studies are long, expensive and uncertain processes. We may spend several years completing our testing for any particular product candidate, and failure can occur at any stage. Negative or inconclusive results or adverse medical events during a clinical study could also cause us or the FDA to terminate a clinical study or require that we repeat it or conduct additional clinical studies. Additionally, data obtained from a clinical study is susceptible to varying interpretations and the FDA or other regulatory authorities may interpret the results of our clinical studies less favorably than we do. The FDA and equivalent foreign regulatory agencies have substantial discretion in the approval process and may decide that our data is insufficient to support a marketing application and require additional preclinical, clinical or other studies.

***Any failure or delay by our third-party suppliers on which we rely or intend to rely to provide materials necessary to develop and manufacture our drug products may delay or impair our ability to commercialize our product candidates.***

We rely upon a small number of third-party suppliers for the manufacture of certain raw materials that are necessary to formulate our drug products, including AB101, for preclinical and clinical testing purposes. We intend to continue to rely on them in the future. We also expect to rely upon third parties to produce materials required for the commercial production of our product candidates if we succeed in obtaining necessary regulatory approvals. If we are unable to arrange for third-party sources, or do so on commercially unreasonable terms, we may not be able to complete development of or market our product candidates.



There are a small number of suppliers for raw materials that we use to manufacture our drugs. Such suppliers may not sell these raw materials at the times we need them or on commercially reasonable terms. We do not have any control over the process or timing of the acquisition of these raw materials by our manufacturers. Moreover, we currently do not have any agreements for the commercial production of these raw materials. Although we generally do not begin a clinical study unless we believe we have a sufficient supply of a product candidate to complete the clinical study, any significant delay in the supply of raw material components needed to produce a product candidate for a clinical study due to the need to replace a third-party manufacturer could considerably delay completion of our clinical studies, product testing and potential regulatory approval of our product candidates. If we or our manufacturers are unable to purchase these raw materials after regulatory approval has been obtained for our product candidates, the commercial launch of our product candidates would be delayed or there would be a shortage in supply of such product candidates, which would impair our ability to generate revenues from the sale of our product candidates.

If we successfully commercialize any of our product candidates, we may be required to establish commercial manufacturing capabilities of larger scale. In addition, as our drug development pipeline increases and matures, we will have a greater need for clinical study and commercial manufacturing capacity. We have no experience manufacturing pharmaceutical products on a commercial scale and we may need to rely on third-party manufacturers with capacity for increased production scale to meet our projected needs for commercial manufacturing, the satisfaction of which on a timely basis may not be met.

***Recently enacted and future legislation or regulatory reform of the health care system in the US and foreign jurisdictions may affect our ability to sell our products profitably.***

Our ability to commercialize our future products successfully, alone or with collaborators, will depend in part on the extent to which reimbursement for the products will be available from government and health administration authorities, private health insurers and other third-party payors. The continuing efforts of the US and foreign governments, insurance companies, managed care organizations and other payors of health care services to contain or reduce health care costs may adversely affect our ability to set fair prices for our products, generate revenues and achieve and maintain profitability.

Specifically, in both the US and some foreign jurisdictions, there have been a number of legislative and regulatory proposals to change the health care system in ways that could impact our ability to sell our products profitably. In March 2010, President Obama signed into law the Patient Protection and Affordable Care Act, as amended by the Health Care and Education Reconciliation Act, or collectively, the Health Care Reform Law, a sweeping law intended to broaden access to health insurance, reduce or constrain the growth of healthcare spending, enhance remedies against fraud and abuse, add new transparency requirements for healthcare and health insurance industries, impose new taxes and fees on the health industry and impose additional health policy reforms.

We will not know the full effects of the Health Care Reform Law until applicable federal and state agencies issue regulations or guidance under the new law. Although it is too early to determine the effect of the Health Care Reform Law, the new law appears likely to continue the pressure on pharmaceutical pricing, especially under the Medicare program, and also may increase our regulatory burdens and operating costs. We expect further federal and state proposals and health care reforms to continue to be proposed by legislators, which could limit the prices that can be charged for the products we develop and may limit our commercial opportunity.

Also in the US, the Medicare Prescription Drug, Improvement, and Modernization Act of 2003, also called the Medicare Modernization Act, or MMA, changed the way Medicare covers and pays for pharmaceutical products. The legislation expanded Medicare coverage for drug purchases by the elderly and introduced a new reimbursement methodology based on average sales prices for drugs. In addition, this legislation authorized Medicare Part D prescription drug plans to use formularies where they can limit the number of drugs that will be covered in any therapeutic class. As a result of this legislation and the expansion of federal coverage of drug products, we expect that there will be additional pressure to contain and reduce costs. These cost reduction initiatives and other provisions of this legislation could decrease the coverage and price that we receive for any approved products and could seriously harm our business. While the MMA applies only to drug benefits for Medicare beneficiaries, private payors often follow Medicare coverage policy and payment limitations in setting their own reimbursement rates, and any reduction in reimbursement that results from the MMA may result in a similar reduction in payments from private payors.

The continuing efforts of government and other third-party payors to contain or reduce the costs of health care through various means may limit our commercial opportunity. It will be time-consuming and expensive for us to go through the process of seeking reimbursement from Medicare and private payors. Our products may not be considered cost-effective, and government and third-party private health insurance coverage and reimbursement may not be available to patients for any of our future products or sufficient to allow us to sell our products on a competitive and profitable basis. Our results of operations could be adversely affected by the MMA, the Health Care Reform Law, and additional prescription drug coverage legislation, by the possible effect of this legislation on amounts that private insurers will pay and by other health care reforms that may be enacted or adopted in the future. In addition, increasing emphasis on managed care in the US will continue to put pressure on the pricing of pharmaceutical products. Cost control initiatives could decrease the price that we or any potential collaborators could receive for any of our future products and could adversely affect our profitability.

In some foreign countries, including major markets in the European Union and Japan, the pricing of prescription pharmaceuticals is subject to governmental control. In these countries, pricing negotiations with governmental authorities can take up to 12 months or longer after the receipt of regulatory marketing approval for a drug product. To obtain reimbursement or pricing approval in some countries, we may be required to conduct a clinical study that compares the cost effectiveness of our product candidates to other available therapies. Such pharmacoeconomic studies can be costly and the results uncertain. Our business could be harmed if reimbursement of our products is unavailable, limited in scope or amount or if pricing is set at unsatisfactory levels.

***We face potential product liability exposure, and, if successful claims are brought against us, we may incur substantial liability.***

The use of our product candidates in clinical studies and the sale of any products for which we obtain marketing approval expose us to the risk of product liability claims. Product liability claims might be brought against us by consumers, health care providers, pharmaceutical companies or others selling or otherwise coming into contact with our products. If we cannot successfully defend ourselves against product liability claims, we could incur substantial liabilities. In addition, regardless of merit or eventual outcome, product liability claims may result in:

- impairment of our business reputation;
- withdrawal of clinical study participants;
- costs of related litigation;
- distraction of management's attention from our primary business;
- substantial monetary awards to patients or other claimants;
- the inability to commercialize our product candidates; and
- decreased demand for our product candidates, if approved for commercial sale.

We currently have clinical trial insurance on AB101, our lead product candidate. This product liability insurance coverage for our clinical studies may not be sufficient to reimburse us for all expenses or losses we may suffer. Moreover, insurance coverage is becoming increasingly expensive, and, in the future, we may not be able to maintain insurance coverage at a reasonable cost or in sufficient amounts to protect us against losses due to liability. If and when we obtain marketing approval for any of our product candidates, we intend to expand our insurance coverage to include the sale of commercial products; however, we may be unable to obtain this product liability insurance on commercially reasonable terms. On occasion, large judgments have been awarded in class action lawsuits based on drugs that had unanticipated adverse effects. A successful product liability claim or series of claims brought against us could cause our stock price to decline and, if judgments exceed our insurance coverage, could decrease our cash and adversely affect our business.

***If we use hazardous and biological materials in a manner that causes injury or violates applicable law, we may be liable for damages.***

Our research and development activities involve the controlled use of potentially hazardous substances, including toxic chemical and biological materials. We could be held liable for any contamination, injury or other damages resulting from these hazardous substances. In addition, our operations produce hazardous waste products. While third parties are responsible for disposal of our hazardous waste, we could be liable under environmental laws for any required cleanup of sites at which our waste is disposed. Federal, state, foreign and local laws and regulations govern the use, manufacture, storage, handling and disposal of these hazardous materials. If we fail to comply with these laws and regulations at any time, or if they change, we may be subject to criminal sanctions and substantial civil liabilities, which may harm our business. Even if we continue to comply with all applicable laws and regulations regarding hazardous materials, we cannot eliminate the risk of accidental contamination or discharge and our resultant liability for any injuries or other damages caused by these accidents.

***If we are unable to establish sales and marketing capabilities or enter into agreements with third parties to market and sell our product candidates, we may be unable to generate any revenue.***

We currently do not have dedicated staff for the sale, marketing and distribution of drug products. The cost of establishing and maintaining such a staff may exceed the cost-effectiveness of doing so. In order to market any products that may be approved by the FDA, we must build our sales, marketing, managerial and other non-technical capabilities or make arrangements with third parties to perform these services. If we are unable to establish adequate sales, marketing and distribution capabilities, whether independently or with third parties, we may not be able to generate product revenue and may not become profitable. We will be competing with many companies that currently have extensive and well-funded marketing and sales operations. Without an internal team or the support of a third party to perform marketing and sales functions, we may be unable to compete successfully against these more established companies.

***Guidelines and recommendations published by various organizations may adversely affect the use of any products for which we may receive regulatory approval.***

Government agencies issue regulations and guidelines directly applicable to us and to our product candidates. In addition, professional societies, practice management groups, private health or science foundations and organizations involved in various diseases from time to time publish guidelines or recommendations to the medical and patient communities. These various sorts of recommendations may relate to such matters as product usage and use of related or competing therapies. For example, organizations like the American Diabetes Association have made recommendations about therapies in the diabetes therapeutics market. Changes to these recommendations or other guidelines advocating alternative therapies could result in decreased use of any products for which we may receive regulatory approval, which may adversely affect our results of operations.

***Our independent registered public accounting firm's report, contained herein, includes an explanatory paragraph that expresses substantial doubt about our ability to continue as a going concern.***

Our financial statements have been prepared on the basis that we will continue as a going concern. For the period from March 24, 2010 to June 30, 2017, we have an accumulated deficit of approximately \$64,322,000. As of June 30, 2017, our total stockholder's equity was approximately \$8,528,000 and we had working capital of approximately \$3,157,000. We expect to continue to incur losses for the foreseeable future as we develop and commercialize AB101, and we must raise additional capital from external sources in order to sustain our operations. Primarily as a result of our history of losses and limited cash balances, our independent registered public accounting firm has included in their audit report an explanatory paragraph expressing substantial doubt about our ability to continue as a going concern. Our ability to continue as a going concern is contingent upon, among other factors, our ability to obtain financing to continue to fund our operations. We cannot provide any assurance that we will be able to raise additional capital. If we are unable to secure additional capital, we may be required to curtail our research and development initiatives and take additional measures to reduce costs in order to conserve our cash in amounts sufficient to sustain operations and meet our obligations. These measures could cause significant delays in the development of AB101 and other product candidates.

***We are at an early stage of development as a company and we do not have, and may never have, any products that generate significant revenues.***

We are at an early stage of development as a proprietary product specialty pharmaceutical company and we do not have any commercial products. Our existing product candidates will require extensive additional clinical evaluation, regulatory review, significant marketing efforts and substantial investment before they generate any revenues. Our efforts may not lead to commercially successful products, for a number of reasons, including:

- our product candidates may not prove to be safe and effective in clinical trials;
- we may not be able to obtain regulatory approvals for our product candidates or approved uses may be narrower than we seek;
- we may not have adequate financial or other resources to complete the development and commercialization of our product candidates; or
- any products that are approved may not be accepted or reimbursed in the marketplace.

We do not expect to be able to market any of our product candidates for a number of years. If we are unable to develop, receive approval for, or successfully commercialize any of our product candidates, we will be unable to generate significant revenues. If our development programs are delayed, we may have to raise additional capital or reduce or cease our operations.

Initially, we expect to derive all of our revenues, if any, from AB101. As we cannot currently enter the market with AB101, it is uncertain whether AB101 will achieve and sustain high levels of demand and market acceptance. Our success will depend to a substantial extent on our ability to successfully commercialize and market our products. Failure of consumers to accept AB101 would significantly adversely affect our revenues and profitability.

***We have never generated any revenues and may never become profitable.***

Since inception, we have not generated any revenues and have incurred an accumulated deficit of approximately \$64,322,000 through June 30, 2017. We expect to continue to incur substantial operating losses for the next several years as we move AB101 and other product candidates into clinical trials and continue our research and development efforts. To become profitable, we must successfully develop, manufacture and market our product candidates, either alone or in conjunction with possible collaborators. We may never have any revenues or become profitable.

***Our limited operating history makes it difficult to evaluate our business and prospects.***

Our operations to date have been limited to organizing and staffing our company, acquiring product and technology rights and conducting preclinical studies. We have not demonstrated an ability to produce product under cGMP conditions, conduct clinical trials, obtain regulatory approval for or commercialize a product candidate. Consequently, any predictions about our future performance may not be as accurate as they could be if we had a history of successfully testing, developing and commercializing pharmaceutical products.

***If we are unable to successfully remediate the material weakness in our internal control over financial reporting, the accuracy and timing of our financial reporting may be adversely affected, which may adversely affect investor confidence in us and, as a result, the value of our common stock.***

In connection with the audit of the fiscal 2017 consolidated financial statements of AntriaBio, Inc., our auditors noted a material weakness in our controls, principally as a result of not having segregated duties as our Chief Accounting Officer can initiate and complete transactions, not having measures that would prevent the Chief Accounting Officer from overriding the internal control system, and the Chief Accounting Officer is responsible for complex accounting issues without additional reviews within the Company. A material weakness is a deficiency or combination of deficiencies in internal control over financial reporting that results in more than reasonable possibility that a material misstatement of annual or interim financial statements will not be prevented or detected on a timely basis. We have also begun evaluating and implementing additional procedures to improve the segregation of duties. We cannot assure that these or other measures will fully remediate the deficiencies or material weakness described above. We also cannot assure you that we have identified all of our existing significant deficiencies and material weaknesses, or that we will not in the future have additional significant deficiencies or material weaknesses.

***Operations outside the United States may be affected by different local politics, business and cultural factors, different regulatory requirements and prohibitions between jurisdictions.***

Operations outside the United States may be affected by different local business and cultural factors, different regulatory requirements and prohibitions between jurisdictions, including the Foreign Corrupt Practices Act and local laws prohibiting corrupt payments; and changes in regulatory requirements for financing activities.

We are currently in the process of establishing a wholly-owned subsidiary in the Republic of Korea (South Korea). Our operations, once established, will be subject to various political, economic, and other risks and uncertainties inherent to the country. Among other risks, the registrant's operations are subject to the risks of political conditions and governmental regulations. If there are any changes to government regulations that affect our ability to operate, we may face significant losses.

***The persistently weak global economic and financial environment in many countries and increasing political and social instability may have a material adverse effect on our results.***

Many of the world's largest economies and financial institutions continue to be impacted by a weak ongoing global economic and financial environment, with some continuing to face financial difficulty, liquidity problems and limited availability of credit. It is uncertain how long these effects will last, or whether economic and financial trends will worsen or improve. Such uncertain times may have a material adverse effect on our results of operations, financial condition and, if circumstances worsen, our ability to raise capital at reasonable rates.

In addition, the varying effects of difficult economic times on the economies, currencies and financial markets of different countries could unpredictably impact, the conversion of our operating results into our reporting currency, the US dollar. Alternately, inflation could accelerate, which could lead to higher interest rates, which would increase our costs of raising capital.

In addition, increasing political and social instability around the world may lead to significant business disruptions or other adverse business conditions. Similarly, increased scrutiny of corporate taxes and executive pay may lead to significant business disruptions or other adverse business conditions, and may interfere with our ability to attract and retain qualified personnel in South Korea.

### **Risks Related to Our Intellectual Property**

***Our current patent positions and license portfolio may not include all patent rights needed for the full development and commercialization of our product candidates. We cannot be sure that patent rights we may need in the future will be available to license on commercially reasonable terms, or at all.***

We typically develop our product candidates using compounds that we have acquired or in-licensed, including the original composition of matter patents and patents that claim the activities and methods for such compounds' production and use. For example, in 2017 we in-licensed a kallikrein inhibitor portfolio from ActiveSite Pharmaceuticals and in consideration for such license, we will owe milestone payments and royalties to ActiveSite if and when we progress product candidates through development.

As we learn more about the mechanisms of action and new methods of manufacture and use of these product candidates, we may file additional patent applications for these new inventions or we may need to ask our licensors to file them. We may also need to license additional patent rights or other rights on compounds, treatment methods or manufacturing processes because we learn that we need such rights during the continuing development of our product candidates.

Although our patents may prevent others from making, using or selling similar products, they do not ensure that we will not infringe the patent rights of third parties. We may not be aware of all patents or patent applications that may impact our ability to make, use or sell any of our product candidates or proposed product candidates. For example, because we sometimes identify the mechanism of action or molecular target of a given product candidate after identifying its composition of matter and therapeutic use, we may not be aware until the mechanism or target is further elucidated that a third party has an issued or pending patent claiming biological activities or targets that may cover our product candidate. US patent applications filed after November 29, 2000 are confidential in the US Patent and Trademark Office for the first 18 months after such applications' earliest priority date, and patent offices in other countries often publish patent applications for the first time six months or more after filing. Furthermore, we may not be aware of published or granted conflicting patent rights. Any conflicts resulting from patent applications and patents of others could significantly reduce the coverage of our patents and limit our ability to obtain meaningful patent protection. If others obtain patents with conflicting claims, we may need to obtain licenses to these patents or to develop or obtain alternative technology.

We may not be able to obtain any licenses or other rights to patents, technology or know-how from third parties necessary to conduct our business as described in this report and such licenses, if available at all, may not be available on commercially reasonable terms. Any failure to obtain such licenses could delay or prevent us from developing or commercializing our drug candidates or proposed product candidates, which would harm our business. Litigation or patent interference proceedings may be necessarily brought against third parties, as discussed below, to enforce any of our patents or other proprietary rights or to determine the scope and validity or enforceability of the proprietary rights of such third parties.

***If our or our licensors' patent positions do not adequately protect our product candidates or any future products, others could compete with us more directly, which would harm our business.***

Our commercial success will depend in part on our and our licensors' ability to obtain additional patents and protect our existing patent positions, particularly those patents for which we have secured exclusive rights, as well as our ability to maintain adequate protection of other intellectual property for our technologies, product candidates and any future products in the US and other countries. If we or our licensors do not adequately protect our intellectual property, competitors may be able to use our technologies and erode or negate any competitive advantage we may have, which could materially harm our business, negatively affect our position in the marketplace, limit our ability to commercialize our product candidates and delay or render impossible our achievement of profitability. The laws of some foreign countries do not protect our proprietary rights to the same extent as the laws of the US, and we may encounter significant problems in protecting our proprietary rights in these countries.

The patent positions of biotechnology and pharmaceutical companies, including our own patent position, involve complex legal and factual questions, and, therefore, validity and enforceability cannot be predicted with certainty. Patents may be challenged, deemed unenforceable, invalidated or circumvented. We and our licensors will be able to protect our proprietary rights from unauthorized use by third parties only to the extent that our proprietary technologies, product candidates and any future products are covered by valid and enforceable patents or are effectively maintained as trade secrets.

The degree of future protection for our proprietary rights is uncertain, and we cannot ensure that:

- we or our licensors were the first to make the inventions covered by each of our pending patent applications;
- we or our licensors were the first to file patent applications for these inventions;
- others will not independently develop similar or alternative technologies or duplicate any of our technologies;
- any of our or our licensors' pending patent applications will result in issued patents;
- any of our or our licensors' patents will be valid or enforceable;
- any patents issued to us or our licensors and collaborators will provide a basis for commercially viable products, will provide us with any competitive advantages or will not be challenged by third parties;
- we will develop additional proprietary technologies or product candidates that are patentable; or
- the patents of others will not have an adverse effect on our business.

***We may be unable to adequately prevent disclosure of trade secrets and other proprietary information.***

We rely on trade secrets to protect our proprietary know-how and technological advances, especially where we do not believe patent protection is appropriate or obtainable. However, trade secrets are difficult to protect. We rely in part on confidentiality agreements with our employees, consultants, outside scientific collaborators, sponsored researchers and other advisors to protect our trade secrets and other proprietary information. These agreements may not effectively prevent disclosure of confidential information and may not provide an adequate remedy in the event of unauthorized disclosure of confidential information. In addition, others may independently discover our trade secrets and proprietary information. Costly and time consuming litigation could be necessary to enforce and determine the scope of our proprietary rights. Failure to obtain or maintain trade secret protection could enable competitors to use our proprietary information to develop products that compete with our products or cause additional, material adverse effects upon our competitive business position.

***Litigation regarding patents, patent applications and other proprietary rights may be expensive and time consuming. If we are involved in such litigation, it could cause delays in bringing product candidates to market and harm our ability to operate.***

Our commercial success will depend in part on our ability to manufacture, use, sell and offer to sell our product candidates and proposed product candidates without infringing patents or other proprietary rights of third parties. Although we are not currently aware of any litigation or other proceedings or third-party claims of intellectual property infringement related to our product candidates, the pharmaceutical industry is characterized by extensive litigation regarding patents and other intellectual property rights. Other parties may obtain patents in the future and allege that the use of our technologies infringes these patent claims or that we are employing their proprietary technology without authorization. Likewise, third parties may challenge or infringe upon our or our licensors' existing or future patents. Proceedings involving our patents or patent applications or those of others could result in adverse decisions regarding the patentability of our inventions relating to our product candidates or the enforceability, validity or scope of protection offered by our patents relating to our product candidates.

Even if we are successful in these proceedings, we may incur substantial costs and divert management's time and attention in pursuing these proceedings. If we are unable to avoid infringing the patent rights of others, we may be required to seek a license, defend an infringement action or challenge the validity of the patents in court. Patent litigation is costly and time-consuming. We may not have sufficient resources to bring these actions to a successful conclusion. In addition, if we do not obtain a license, develop or obtain non-infringing technology, fail to defend an infringement action successfully or have our patents declared invalid, we may incur substantial monetary damages; encounter significant delays in bringing our product candidates to market; or be precluded from participating in the manufacture, use or sale of our product candidates or methods of treatment requiring licenses.

***If our patent and other intellectual property protection is inadequate, our sales and profits could suffer or competitors could force our products completely out of the market.***

Patents which prevent the manufacture or sale of our products may be issued to others. We may have to license those patents and pay significant fees or royalties to the owners of the patents in order to keep marketing our products. This would cause profits on sales to suffer.

We have been granted patents or licensed patents in the US, but patent applications that have been, or may in the future be, filed by us may not result in the issuance of additional patents. The scope of any patent issued may not be sufficient to protect our technology. The laws of foreign jurisdictions in which we intend to sell our products may not protect our rights to the same extent as the laws of the US.

In addition to patent protection, we also rely on trade secrets, proprietary know-how and technology advances. We enter into confidentiality agreements with our employees and others, but these agreements may not be effective in protecting our proprietary information. Others may independently develop substantially equivalent proprietary information or obtain access to our know-how. Litigation, which is expensive, may be necessary to enforce or defend our patents or proprietary rights and may not end favorably for us. We may also choose to initiate litigation against other parties who we come to believe are infringing these patents. If such litigation is unsuccessful or if the patents are invalidated or canceled, we may have to write off the related intangible assets and such an event could significantly reduce our earnings. Any of our licenses, patents or other intellectual property may be challenged, invalidated, canceled, infringed or circumvented and may not provide any competitive advantage to us.



***If the Company is required to impair their long-lived assets, the Company's financial condition and results could be negatively affected.***

If we are unable to manufacture products in our manufacturing facilities or successfully develop products using our patents that were purchased, the Company conclude our long-lived assets may be impaired. If we evaluate our long-lived assets and deem that there is an impairment, under current accounting standards, the Company will be required to write down the assets. Any write-down would have a negative effect on our consolidated financial statements.

#### **Risks Related to Our Common Stock**

***Investors may experience dilution if we issue additional shares of common stock.***

In general, stockholders do not have preemptive rights to any common stock issued by us in the future. Therefore, stockholders may experience dilution of their equity investment if we issue additional shares of common stock in the future. This includes shares issuable under equity incentive plans, or if we issue securities that are convertible into shares of our common stock. Given that we will require additional capital, we intend to raise funds in the future by issuing common stock that will cause dilution to our stockholders. We also have significant outstanding warrants to purchase common stock as well as a stock option pool available to employees, which if exercised, would cause dilution to our stockholders.

***There is a limited trading market for our common stock, which could make it difficult to liquidate an investment in our common stock, in a timely manner.***

Our common stock is currently traded on the OTCQB. Because there is a limited public market for our common stock, investors may not be able to liquidate their investment whenever desired. We cannot assure that an active trading market for our common stock will ever develop and the lack of an active public trading market means that investors may be exposed to increased risk. In addition, if we failed to meet the criteria set forth in SEC regulations, various requirements would be imposed by law on broker-dealers who sell our securities to persons other than established customers and accredited investors. Consequently, such regulations may deter broker-dealers from recommending or selling our common stock, which may further affect its liquidity.

***With a limited trading market for our common stock, the trading price can be impacted by naked short selling.***

Our stock price has been under downward pressure for over a year and we have been puzzled as to why there would be consistent downward pressure on our stock even in the face of positive news about the Company and our prospects. Following some investigation and with the assistance of outside advisors, we believe we are the target of naked short selling. Naked short selling is when an investor sells short shares that they do not possess and have not confirmed their ability to possess. If the trade associated with the short does not take place within the clearing time period and the short-seller does not tender shares to the buyer, the trade is considered a "failure to deliver."

Naked short selling, a practice that is prohibited by the SEC's Regulation SHO, reduces the value of companies and shareholders' investments by artificially pushing a company's stock price down. For smaller companies like ours that are looking to raise working capital, it makes the process difficult. Upon tracking our trading activity, we have determined that approximately 44% of our daily trading volume is short selling and we believe that the short sellers have been lax at complying with Regulation SHO since early 2013. There are no assurances that we will be able to curb the naked short selling of our stock.

***If securities analysts do not publish research or reports about our business or if they downgrade us or our sector, the price of our common stock could decline.***

The trading market for our common stock will depend in part on research and reports that industry or financial analysts publish about us or our business. We do not control these analysts. Furthermore, if one or more of the analysts who cover us downgrades us or the industry in which we operate or the stock of any of our competitors, the price of our common stock will likely decline. If one or more of these analysts ceases coverage altogether, we could lose visibility, which could also lead to a decline in the price of the common stock.

***We cannot ensure that our common stock will be listed on a securities exchange, which may adversely affect your ability to dispose of our common stock in a timely fashion.***

We plan to seek listing of our common stock on the NYSE MKT or NASDAQ exchange as soon as reasonably practicable. In 2011, the NYSE MKT and the NASDAQ amended their listings to restrict the ability of companies that have completed reverse mergers to list their securities on such exchanges. In order to become eligible to list their securities on such exchange, reverse merger companies must have had their securities traded on an over-the-counter (OTC) market for at least one year, maintained a certain minimum closing price for no less than 30 of the most recent 60 days prior to the filing of an initial listing application and prior to listing, and timely filed with the SEC all required reports since consummation of the reverse merger, including one annual report containing audited financial statements for a full fiscal year commencing after the date of the filing of the Form 8-K containing the Company's Form 10 information. To date the Company has not met all of the filing requirements above and may not be able to satisfy the initial listing standards of the NYSE MKT or NASDAQ exchanges in the foreseeable future or at all. Even if we are able to list our common stock on such exchange, we may not be able to maintain a listing of the common stock on such stock exchange.

***The market price and trading volume of our common stock may be volatile, which may adversely affect its market price.***

The market price of our common stock could be subject to significant fluctuations due to factors such as:

- actual or anticipated fluctuations in our financial condition or results of operations;
- limited trading activity;
- success or failure of our operating strategies and our perceived prospects; realization of any of the risks described in this section; failure to be covered by securities analysts or failure to meet the expectations of securities analysts;
- decline in the stock prices of peer companies; and
- discount in the trading multiple of our common stock relative to that of common stock of certain of our peer companies due to perceived risks associated with our smaller size.

As a result, shares of our common stock may trade at prices significantly below the price an investor paid to acquire them. Furthermore, declines in the price of our common stock may adversely affect the Company's ability to conduct future offerings or to recruit and retain key employees.

***Our common stock may be considered a “penny stock.”***

Trades of our common stock are subject to Rule 15c-9 promulgated by the SEC under the Exchange Act, which imposes certain requirements on broker/dealers who sell securities subject to the rule to persons other than established customers and accredited investors. For transactions covered by the rule, broker/dealers must make a special suitability determination for purchasers of the securities and receive the purchaser’s written agreement to the transaction prior to sale. The SEC also has other rules that regulate broker/dealer practices in connection with transactions in “penny stocks.” Penny stocks generally are equity securities with a price of less than \$5.00 (other than securities listed on a national securities exchange, provided that current price and volume information with respect to transactions in that security is provided by the exchange or system). The penny stock rules require a broker/dealer, prior to a transaction in a penny stock not otherwise exempt from the rules, to deliver a standardized risk disclosure document prepared by the SEC that provides information about penny stocks and the nature and level of risks in the penny stock market. The broker/dealer also must provide the customer with current bid and offer quotations for the penny stock, the compensation of the broker/dealer and its salesperson in the transaction, and monthly account statements showing the market value of each penny stock held in the customer’s account. The bid and offer quotations, and the broker/dealer and salesperson compensation information, must be given to the customer orally or in writing prior to effecting the transaction and must be given to the customer in writing before or with the customer’s confirmation. These disclosure requirements have the effect of reducing the level of trading activity in the secondary market for our common stock. As a result of the foregoing, investors may find it difficult to sell their shares.

***We have no current plan to pay dividends on our common stock and investors may lose the entire amount of their investment.***

We have no current plans to pay dividends on our common stock. Therefore, investors will not receive any funds absent a sale of their shares. We cannot assure investors of a positive return on their investment.

### **MARKET, INDUSTRY AND OTHER DATA**

Unless otherwise indicated, information contained in this prospectus concerning our industry and the markets in which we operate, including our general expectations and market position, market opportunity and market size, is based on information from various sources, on assumptions that we have made that are based on those data and other similar sources and on our knowledge of the markets for our services. These data involve a number of assumptions and limitations. In addition, projections, assumptions and estimates of our future performance and the future performance of the industry in which we operate is necessarily subject to a high degree of uncertainty and risk due to a variety of factors, including those described in section entitled “*Risk Factors*” of this prospectus and elsewhere in this prospectus. These and other factors could cause results to differ materially from those expressed in the estimates made by the independent parties and by us.

### **USE OF PROCEEDS**

We are registering these shares pursuant to the registration rights granted to the selling stockholders in the Stock Financing. We will not receive any proceeds from the sale or other disposition by the selling stockholders of the shares of our common stock covered by this prospectus.

### **DESCRIPTION OF CAPITAL STOCK**

Our authorized capital stock consists of 200,000,000 shares of common stock, \$0.001 par value per share, and 20,000,000 shares of preferred stock in one or more series, \$0.001 par value per share.

#### **Common Stock**

As of September 19, 2017, there were 53,728,640 shares of our common stock outstanding held of record by approximately 379 stockholders. In addition, there are outstanding options, warrants and rights to acquire additional shares of common stock.

Holders of the common stock are entitled to one vote per share on all matters submitted to the stockholders for a vote. There are no cumulative voting rights in the election of directors. The shares of common stock are entitled to receive such dividends as may be declared and paid by the Board of Directors out of funds legally available therefor and to share, ratably, in the net assets, if any, of AntriaBio upon liquidation. The stockholders have no preemptive rights to purchase any shares of our capital stock.

The transfer agent for the common stock is VStock, Cedarhurst, New York. Our common stock is traded on the OTCQB and is quoted under the symbol "ANTB."

### Preferred Stock

Our certificate of incorporation authorizes 20,000,000 shares of preferred stock. Our Board is authorized, without further stockholder action, to establish various series of preferred stock from time to time and to determine the rights, preferences and privileges of any unissued series including, among other matters, any dividend rights, dividend rates, conversion rights, voting rights, terms of redemption, liquidation preferences, sinking fund terms, the number of shares constituting any such series, and the description thereof and to issue any such shares. There are no issued and outstanding shares of Preferred Stock.

### SELLING STOCKHOLDERS

This prospectus covers an aggregate of 5,100,000 shares of our common stock issued in connection with the Stock Offering.

The following table sets forth certain information regarding the selling stockholders and the shares that may be sold or otherwise disposed of by them pursuant to this prospectus. Beneficial ownership and percentage ownership are determined in accordance with the rules and regulations of the SEC and include voting or investment power with respect to shares of stock. This information does not necessarily indicate beneficial ownership for any other purpose. In computing the number of shares beneficially owned by a person and the percentage ownership of that person, shares of common stock subject to warrants, options and other convertible securities held by that person that are currently convertible or exercisable, or convertible or exercisable within 60 days of the date of this prospectus are deemed outstanding. Such shares, however, are not deemed outstanding for the purposes of computing the percentage ownership of any other person. The percentage of beneficial ownership is based on 53,728,640 shares of common stock outstanding on the date of this prospectus.

Name of Selling Stockholder (1)	Shares Beneficially Owned Prior to this Offering		Number of Shares Covered Hereby(2)	Shares Beneficially Owned After this Offering (7)		
	Number of Shares	% of Outstanding Shares		Number of Shares	% of Outstanding Shares	
Ildong Pharmaceutical Co., Ltd	(3)	3,000,000	5.58%	3,000,000	-	*
Medici 2014-2 Start Up Fund	(4)	1,500,000	2.79%	1,500,000	-	*
Innovative LifeSci Investments, LLC	(5)	500,000	*	500,000	-	*
The Fallon Family Revocable Trust	(6)	190,909	*	100,000	90,909	*
<b>TOTAL</b>				<b>5,100,000</b>		

\* Represents ownership of less than 1%.

- (1) This table and the information in the notes below are based upon information supplied by the selling stockholders, including reports and amendments thereto filed on Schedule 13D, Schedule 13G, Form 3 and Form 4 with the SEC.
- (2) The actual numbers of shares of common stock offered hereby and included in the registration statement of which this prospectus forms a part includes, pursuant to Rule 416 under the Securities Act, such additional number of shares of common stock as may be issuable in connection with the shares registered for sale hereby resulting from stock splits, stock dividends, recapitalizations or similar transactions.
- (3) Pau Woongsup Yun is the CEO and has voting and investment power over the shares. The address of the selling stockholder is 2, Baumoe-ro, 27-gil, Seocho-gu, Seoul, Korea 06752.
- (4) Medici Investment Co., LTD as the General Partner has voting and investment power over the shares. The address of the selling stockholder is 406 City Air Tower, 462, Boneunsa-ro, Gangnam-gu, Seoul, Korea 06154.
- (5) Sandip Patel is the Managing Member and has voting and investment power over the shares. The address of the selling stockholder is 4905 W. Laurel St. Suite 100, Tampa, FL 33607.
- (6) Thomas Fallon and Shannon Fallon are Trustees and have voting and investment power over the shares. The address of the selling stockholder is 95 Patricia Drive, Atherton, CA 94027.
- (7) The Shares beneficially owned after the Offering are covered by the S-1 which became effective on January 20, 2017.

### **Relationships with Selling Stockholders**

None of the Selling Stockholders has held any position, office or other material relationship with us within the past three years.

### **PLAN OF DISTRIBUTION**

The selling stockholders, which as used herein includes donees, pledgees, transferees or other successors-in-interest selling shares of common stock or interests in shares of common stock received after the date of this prospectus from a selling stockholder as a gift, pledge, partnership distribution or other transfer, may, from time to time, sell, transfer or otherwise dispose of any or all of their shares of common stock or interests in shares of common stock on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices.

The selling stockholders may use any one or more of the following methods when disposing of shares or interests therein:

- 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;
- short sales effected after the date the registration statement of which this prospectus is a part is declared effective by the SEC;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;

- broker-dealers may agree with the selling stockholders to sell a specified number of such shares at a stipulated price per share;
- a combination of any such methods of sale; and
- any other method permitted by applicable law.

The selling stockholders may, from time to time, pledge or grant a security interest in some or all of the shares of common stock owned by them and, if they default in the performance of their secured obligations, the pledgees or secured parties may offer and sell the shares of common stock, from time to time, under this prospectus, or under an amendment to this prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act amending the list of selling stockholders to include the pledgee, transferee or other successors in interest as selling stockholders under this prospectus. The selling stockholders also may transfer the shares of common stock in other circumstances, in which case the transferees, pledgees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

In connection with the sale of our 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 may also sell shares of our 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 may also enter into option or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities which 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 aggregate proceeds to the selling stockholders from the sale of the common stock offered by them will be the purchase price of the common stock less discounts or commissions, if any. Each of the selling stockholders reserves the right to accept and, together with their agents from time to time, to reject, in whole or in part, any proposed purchase of common stock to be made directly or through agents. We will not receive any of the proceeds from this offering.

The selling stockholders also may resell all or a portion of the shares in open market transactions in reliance upon Rule 144 under the Securities Act, provided that they meet the criteria and conform to the requirements of that rule.

The selling stockholders and any underwriters, broker-dealers or agents that participate in the sale of the common stock or interests therein may be “underwriters” within the meaning of Section 2(11) of the Securities Act. Any discounts, commissions, concessions or profit they earn on any resale of the shares may be underwriting discounts and commissions under the Securities Act. Selling stockholders who are “underwriters” within the meaning of Section 2(11) of the Securities Act will be subject to the prospectus delivery requirements of the Securities Act.

To the extent required, the shares of our common stock to be sold, the names of the selling stockholders, the respective purchase prices and public offering prices, the names of any agents, dealer or underwriter, any applicable commissions or discounts with respect to a particular offer will be set forth in an accompanying prospectus supplement or, if appropriate, a post-effective amendment to the registration statement that includes this prospectus.

In order to comply with the securities laws of some states, if applicable, the common stock may be sold in these jurisdictions only through registered or licensed brokers or dealers. In addition, in some states the common stock may not be sold unless it has been registered or qualified for sale or an exemption from registration or qualification requirements is available and is complied with.

We have advised the selling stockholders that the anti-manipulation rules of Regulation M under the Exchange Act may apply to sales of shares in the market and to the activities of the selling stockholders and their affiliates. In addition, to the extent applicable we will make copies of this prospectus (as it may be supplemented or amended from time to time) available to the selling stockholders for the purpose of satisfying the prospectus delivery requirements of the Securities Act. The selling stockholders may indemnify any broker-dealer that participates in transactions involving the sale of the shares against certain liabilities, including liabilities arising under the Securities Act.

We have agreed to indemnify the selling stockholders against certain liabilities, including liabilities under the Securities Act and state securities laws, relating to the registration of the shares offered by this prospectus.

We have agreed with the selling stockholders to keep the registration statement of which this prospectus constitutes a part effective until the earlier of (1) such time as all of the shares covered by this prospectus have been disposed of pursuant to and in accordance with the registration statement or (2) the date on which all of the shares may be sold without restriction pursuant to Rule 144 of the Securities Act.

#### **LEGAL MATTERS**

The validity of the shares of our common stock offered hereby and certain other legal matters will be passed upon for us by the law firm of Dorsey & Whitney LLP.

#### **EXPERTS**

EKS&H LLLP, our independent registered public accounting firm, has audited our consolidated financial statements included in our Annual Report on Form 10-K, for the years ended June 30, 2017 and 2016, which are incorporated by reference in this prospectus and elsewhere in the registration statement. Our financial statements and schedule are incorporated by reference in reliance on EKS&H LLLP's report, given their authority as experts in accounting and auditing.

#### **WHERE YOU CAN FIND ADDITIONAL INFORMATION**

We file annual reports, quarterly reports, current reports, and proxy and information statements and other information with the SEC. You may read and copy materials that we have filed with the SEC at the SEC public reference room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. Copies of reports and other information from us are available on the SEC's website at <http://www.sec.gov>. Such filings are also available at our website at <http://www.antriabio.com>. Website materials are not a part of this prospectus.

#### **DOCUMENTS INCORPORATED BY REFERENCE**

The SEC allows us to "incorporate by reference" the information that we have filed with it, meaning we can disclose important information to you by referring you to those documents already on file with the SEC. The information incorporated by reference is considered to be part of this prospectus except for any information that is superseded by other information that is included in this prospectus.

This filing incorporated by reference the following documents, which we have previously filed with the SEC pursuant to the Exchange Act:

- Annual Report on Form 10-K for the year ended June 30, 2017
- Quarterly Reports on Form 10-Q for the quarters ended September 30, 2016, December 31, 2016 and March 31, 2017

- Current Reports on Form 8-K filed with the SEC on July 13, 2016, July 29, 2016, September 22, 2016, October 6, 2016, November 4, 2016, December 15, 2016, December 29, 2016, January 5, 2017, March 6, 2017, March 22, 2017, May 1, 2017, May 9, 2017, June 5, 2017, July 17, 2017, July 25, 2017, August 7, 2017, October 5, 2017, October 10, 2017 and October 17, 2017.
- Our Definitive Proxy Statement on Schedule 14A for our 2017 annual meeting of stockholders filed with the SEC on October 20, 2017.

In addition, all documents subsequently filed by us with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act, prior to the termination of the offering, shall be deemed to be incorporated by reference into this prospectus.

We will provide, without charge, to each person, including any beneficial owner, to whom this prospectus is delivered, on the written or oral request of such person, a copy of any or all of the reports or documents incorporated by reference in this prospectus, but not delivered with this prospectus. Any request may be made by writing or telephoning us at the following address or telephone number:

AntriaBio, Inc.  
1450 Infinite Drive  
Louisville, CO 80027  
Attn: Investor Relations  
303-222-2128  
[investor-relations@antriabio.com](mailto:investor-relations@antriabio.com)

You may also access the documents incorporated by reference into this prospectus at our website address at [www.antriabio.com](http://www.antriabio.com). The other information and content contained on or linked from our website are not part of this prospectus.



## PART II – INFORMATION NOT REQUIRED IN PROSPECTUS

### Other Expenses of Issuance and Distribution

The fees and expenses to be paid in connection with the distribution of securities being registered hereby are estimated as follows:

SEC registration fee	\$	679.40
Accounting fees and expenses		5,000
Legal fees and expenses		10,000
<b>Total</b>	<b>\$</b>	<b>15,679.40</b>

### Indemnification of Directors and Officers

Section 145 of the Delaware General Corporation Law provides that a corporation has the power to indemnify a director, officer, employee or agent of the corporation and certain other persons serving at the request of the corporation in related capacities against amounts paid and expenses incurred in connection with an action or proceeding to which he is or is threatened to be made a party by reason of such position, if such person shall have acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation, and, in any criminal proceeding, if such person had no reasonable cause to believe his conduct was unlawful; provided that, in the case of actions brought by or in the right of the corporation, no indemnification shall be made with respect to any matter as to which such person shall have been adjudged to be liable to the corporation unless and only to the extent that the adjudicating court determines that such indemnification is proper under the circumstances.

Our Certificate of Incorporation and Bylaws provide that our directors and officers will be indemnified by us to the fullest extent authorized by Delaware General Corporation Law. In addition, the Certificate of Incorporation provides, as permitted by Section 102(b)(7) of the Delaware General Corporation Law, that our directors will not be liable for monetary damages to us for breaches of their fiduciary duty as directors, unless they (i) violated their duty of loyalty to us or our stockholders, (ii) acted, or failed to act, in good faith, (iii) acted with intentional misconduct, (iv) knowingly or intentionally violated the law, (v) authorized unlawful payments of dividends, unlawful stock purchases or unlawful redemptions, or (vi) derived an improper personal benefit from their actions as directors.

Our Bylaws also permit us to secure insurance on behalf of any officer, director or employee for any liability arising out of his or her actions, regardless of whether Delaware General Corporation Law would permit indemnification. We have purchased a policy of directors' and officers' liability insurance that insures our directors and officers.

The limitations of liability and indemnification provisions in our Certificate of Incorporation and Bylaws may discourage stockholders from bringing a lawsuit against directors for breach of their fiduciary duty. These provisions may also have the effect of reducing the likelihood of derivative litigation against directors and officers, even though such an action, if successful, might otherwise benefit our stockholders and us. In addition, your investment may be adversely affected to the extent we pay the costs of settlement and damage awards against directors and officers pursuant to these indemnification provisions. We believe that these provisions, the insurance and the indemnity agreements are necessary to attract and retain talented and experienced directors and officers.

Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers or persons controlling the registrant pursuant to the foregoing provisions, the registrant has been advised that, in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in Act and is, therefore, unenforceable.

### **Recent Sales of Unregistered Securities**

In the past three years as of June 30, 2017 and through September 19, 2017, we have offered and sold the following securities in unregistered transactions pursuant to exemptions under the United States Securities Act of 1933, as amended (the “**Securities Act**”).

1. On September 3, 2014, we issued 1,000 shares of our common stock in consideration for services performed. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
2. On November 28, 2014, we issued 1,782,783 shares of our common stock in the Unit Financing to 50 investors for an aggregate consideration of \$3,298,131. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
3. On December 31, 2014, we issued 1,960,774 shares of our common stock in the Unit Financing to 23 investors for an aggregate consideration of \$3,627,412. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
4. On February 28, 2015, we issued 897,004 shares of our common stock in the Unit Financing to 18 investors for an aggregate consideration of \$1,659,452. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
5. On February 23, 2015, we issued 327,921 shares of our common stock in the Unit Financing to eight investors for an aggregate consideration of \$606,650. We paid Paulson cash compensation of \$894,164 and we also issued Paulson a warrant exercisable into 1,477,287 shares of our common stock. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
6. On March 31, 2015, we issued 307,798 shares of our common stock in the Unit Financing to eight investors for an aggregate consideration of \$569,426. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
7. On April 6, 2015, we issued 764,641 shares of our common stock in the Unit Financing to six investors for an aggregate consideration of \$1,414,585. We paid Paulson cash compensation of \$141,585 and we also issued Paulson a warrant exercisable into 347,202 shares of our common stock. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
8. On April 20, 2015, we issued 37,838 shares of our common stock in consideration for services performed. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
9. On December 9, 2015, we issued 1,025,699 shares of Series A Preferred Stock in a Series A Financing to six investors for an aggregate consideration of \$2,000,115. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
10. On March 2, 2016, we issued 1,716,487 shares of Series A Preferred Stock in a Series A Financing to six investors for an aggregate consideration of \$3,347,500. We paid the placement agents cash compensation of \$230,174 and we also issued warrants exercisable into 414,546 shares of our common stock. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.

11. On April 12, 2016, we issued 512,820 shares of Series A Preferred Stock in a Series A Financing to one investor for an aggregate consideration of \$1,000,000. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
12. On April 29, 2016, we issued 161,679 shares of our common stock in the Unit Financing to three investors for an aggregate consideration of \$177,847. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
13. On May 31, 2016, we issued 3,001,888 shares of our common stock in the Unit Financing to 26 investors for an aggregate consideration of \$3,302,077. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
14. On June 24, 2016, we issued 715,909 shares of our common stock in the Unit Financing to 15 investors for an aggregate consideration of \$787,500. We paid the placement agent cash compensation of \$61,798 and we also issued warrants exercisable into 71,591 shares of common stock. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
15. On June 28, 2016, we issued 995,543 shares of our common stock in the Unit Financing to 14 investors for an aggregate consideration of \$1,095,097. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
16. On July 29, 2016, we issued 418,182 shares of our common stock in the Unit Financing to nine investors for an aggregate consideration of \$460,000. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
17. On September 30, 2016, we issued 2,029,454 shares of our common stock in the Unit Financing to 25 investors for an aggregate consideration of \$2,232,399. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
18. On October 6, 2016, we issued 2,376,455 shares of our common stock in the Unit Financing to 24 investors for an aggregate consideration of \$2,614,101. We paid the placement agent cash compensation of \$339,833 and we also issued warrants exercisable into 978,152 shares of common stock. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
19. On October 7, 2016, we issued 909,091 shares of our common stock in the Unit financing to one investor for an aggregate consideration of \$1,000,000. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
20. On October 13, 2016, we issued 50,000 shares of our common stock in the Unit financing to one investor for an aggregate consideration of \$55,000. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
21. On March 6, 2017, we issued 4,500,000 shares of our common stock in the Stock financing to three investors for an aggregate consideration of \$4,500,000. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
22. On April 18, 2017, we issued 2,226,190 shares of our common stock in the Stock financing to two investors for an aggregate consideration of \$2,226,190. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.
23. On June 30, 2017, we issued 1,550,000 shares of our common stock in the Stock financing to five investors for an aggregate consideration of \$1,550,000. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.

24. On July 18, 2017, we issued 4,500,000 shares of our common stock in the Stock financing to two investors for an aggregate consideration of \$4,500,000. The issuance was made in reliance upon an exemption from registration under Section 4(a)(2) of the Securities Act.

### Exhibits

A list of exhibits filed herewith or incorporated by reference is contained in the Exhibit Index which is incorporated herein by reference.

### Undertakings

(a) 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 the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the 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 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;

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

(a) *provided, however*, that:

(b) paragraphs (a)(1)(i), (ii) and (iii) above do not apply if the registration statement is on Form S-1 (§ 239.11 of this chapter), Form S-3 (§ 239.13 of this chapter), Form SF-3 (§ 239.45 of this chapter) or Form F-3 (§ 239.33 of this chapter) and the information required to be included in a post-effective amendment by those paragraphs is contained in 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 (15 U.S.C. 78m or 78o(d)) that are incorporated by reference in the registration statement, or, as to a registration statement on Form S-3, Form SF-3 or Form F-3, is contained in a form of prospectus filed pursuant to § 230.424(b) of this chapter that is part of the 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; and

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

- (4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. *Provided, however,* that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use; and
- (b) The undersigned registrant hereby undertakes that insofar as indemnification for liabilities arising under the Securities Act 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 Commission, such indemnification is against public policy as expressed in the Securities 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 Securities 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 has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized in the City of Louisville, State of Colorado, on October 31, 2017.

### ANTRIABIO, INC.

By: /s/ Nevan Elam  
Nevan Elam  
*Chief Executive Officer*  
(Principal Executive Officer)

By: /s/ Morgan Fields  
Morgan Fields  
*Chief Accounting Officer*  
(Principal Financial and Accounting Officer)

Each person whose signature appears below constitutes and appoints each of Nevan Elam his attorney-in-fact and agent, with the full power of substitution and resubstitution and full power to act without the other, for them in any and all capacities, to sign any and all amendments, including post-effective amendments, and any registration statement relating to the same offering as this registration that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933, as amended, to this registration statement, and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, hereby ratifying and confirming all that said attorneys-in-fact, or their substitute or substitutes, may do or cause to be done by virtue hereof. Pursuant to the requirements of the Securities Act of 1933, as amended, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Nevan Elam</u> Nevan Elam	Chief Executive Officer and Director (Principal Executive Officer)	October 31, 2017
<u>/s/ Barry Sherman</u> Barry Sherman	Director	October 31, 2017
<u>/s/ Hoyoung Huh</u> Hoyoung Huh	Director	October 31, 2017
<u>/s/ David Welch</u> David Welch	Director	October 31, 2017
<u>/s/ Samir Patel</u> Samir Patel	Director	October 31, 2017
<u>/s/ Tae Hoon Kim</u> Tae Hoon Kim	Director	October 31, 2017
<u>/s/ Morgan Fields</u> Morgan Fields	Chief Accounting Officer (Principal Financial and Accounting Officer)	October 31, 2017

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## EXHIBIT INDEX

Exhibit No.	Description
<a href="#"><u>2.1</u></a>	<a href="#"><u>Share Exchange and Reorganization Agreement, January 31, 2013 (incorporated by reference to the Company's Form 8-K filing on February 6, 2013)</u></a>
<a href="#"><u>2.2</u></a>	<a href="#"><u>Plan of Conversion, dated January 10, 2013 (incorporated by reference to Exhibit 2.1 of the Company's Form 8-K filing on January 11, 2013)</u></a>
<a href="#"><u>3.1</u></a>	<a href="#"><u>Articles of Conversion, dated January 10, 2013 (incorporated by reference to Exhibit 3.1 of the Company's Form 8-K filing on January 11, 2013)</u></a>
<a href="#"><u>3.2</u></a>	<a href="#"><u>Certificate of Conversion, dated January 10, 2013 (incorporated by reference to Exhibit 3.2 of the Company's Form 8-K filing on January 11, 2013)</u></a>
<a href="#"><u>3.3</u></a>	<a href="#"><u>Certificate of Incorporation, dated January 10, 2013 (incorporated by reference to Exhibit 3.3 of the Company's Form 8-K filing on January 11, 2013)</u></a>
<a href="#"><u>3.4</u></a>	<a href="#"><u>Delaware Bylaws, dated January 10, 2013 (incorporated by reference to Exhibit 3.4 of the Company's Form 8-K filing on January 11, 2013)</u></a>
<a href="#"><u>3.5</u></a>	<a href="#"><u>Certificate of Amendment to the Certificate of Incorporation, dated April 30, 2014 (incorporated by reference to Exhibit 3.5 of the Company's Form S-1 filing on May 20, 2014)</u></a>
<a href="#"><u>3.6</u></a>	<a href="#"><u>Certificate of Designation dated December 7, 2015 (incorporated by reference on exhibit 3.1 of the Company's Form 8-K on December 10, 2016)</u></a>
<a href="#"><u>4.1</u></a>	<a href="#"><u>Form of Konus Warrant (incorporated by reference to Exhibit 4.5 of the Company's Form 8-K filing on April 1, 2014)</u></a>
<a href="#"><u>4.2</u></a>	<a href="#"><u>Form of Warrant (incorporated by reference to Exhibit 4.1 of the Company's Form 8-K filing on April 1, 2014)</u></a>
<a href="#"><u>4.3</u></a>	<a href="#"><u>Form of Bridge Warrant (incorporated by reference to Exhibit 4.2 of the Company's Form 8-K filing on January 16, 2014)</u></a>
<a href="#"><u>4.4</u></a>	<a href="#"><u>Form of Conversion Warrant (incorporated by reference to Exhibit 4.3 of the Company's Form 8-K filing on April 1, 2014)</u></a>
<a href="#"><u>4.5</u></a>	<a href="#"><u>Form of Compensation Warrant (incorporated by reference to Exhibit 10.1 of the Company's Form 10-Q filing on May 14, 2014)</u></a>
<a href="#"><u>4.6</u></a>	<a href="#"><u>Form of Warrant (incorporated by reference to the Company's Form 8-K filing on December 4, 2014)</u></a>
<a href="#"><u>4.7</u></a>	<a href="#"><u>Form of Financing Warrant (incorporated by reference to the Company's Form 8-K filing on January 5, 2015)</u></a>
<a href="#"><u>4.8</u></a>	<a href="#"><u>Form of Warrant (incorporated by reference to the Company's Form 8-K filing on April 6, 2015)</u></a>
<a href="#"><u>4.9</u></a>	<a href="#"><u>Form of Financing Warrant (incorporated by reference to the Company's Form 8-K filing on April 6, 2015)</u></a>
<a href="#"><u>4.10</u></a>	<a href="#"><u>Form of Agent Warrant (incorporated by reference to the Company's Form 8-K filing on December 10, 2015)</u></a>

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- [4.11](#) [Form of Warrant \(incorporated by reference to the Company's Form 8-K filing on June 29, 2016\)](#)
  - [4.12](#) [Form of Agent Warrant \(incorporated by reference to the Company's Form 8-K filing on June 29, 2016\)](#)
  - [5.1](#) [Opinion of Dorsey & Whitney LLP\\*](#)
  - [10.1](#) [Asset Purchase Agreement with PR Pharmaceuticals \(incorporated by reference to the Company's Form 8-K filing on February 6, 2013\)](#)
  - [10.2](#) [Asset Purchase Agreement \(incorporated by reference to the Company's Form 8-K filing on November 10, 2014\)](#)
  - [10.3](#) [Employment Agreement with Nevan Elam, dated June 18, 2012 \(incorporated by reference to the Company's Form 8-K filing on February 6, 2013\)](#)
  - [10.4](#) [Amended and Restated Employment Agreement with Nevan Elam, dated March 26, 2014 \(incorporated by reference to Exhibit 10.4 of the Company's Form 8-K filing on April 1, 2014\)](#)
  - [10.5](#) [Second Amended and Restated Employment Agreement with Nevan Elam, dated February 23, 2015 \(incorporated by reference to the Company's Form 8-K filing on February 24, 2015\)](#)
  - [10.6](#) [Employment Agreement with Sankaram Mantripragada, dated April 1, 2012 \(incorporated by reference to the Company's Form 8-K filing on February 6, 2013\)](#)
  - [10.7](#) [Amended and Restated Employment Agreement with Sankaram Mantripragada, dated March 26, 2014 \(incorporated by reference to Exhibit 10.3 of the Company's Form 8-K filing on April 1, 2014\)](#)
  - [10.8](#) [Second Amended and Restated Employment Agreement with Sankaram Mantripragada, dated February 23, 2015 \(incorporated by reference to the Company's Form 8-K filing on February 24, 2015\)](#)
  - [10.9](#) [Consulting Agreement with Hoyoung Huh, dated July 1, 2012 \(incorporated by reference to the Company's Form 8-K filing on February 6, 2013\)](#)
  - [10.10](#) [Termination Agreement with Hoyoung Huh, dated March 26, 2014 \(incorporated by reference to Exhibit 10.6 of the Company's Form 8-K filing on April 1, 2014\)](#)
  - [10.11](#) [Employment Agreement with Hoyoung Huh, dated January 1, 2015 \(incorporated by reference to the Company's Form 8-K filing on January 8, 2015\)](#)
  - [10.12](#) [Amended and Restated Employment Agreement with Hoyoung Huh, dated October 31, 2016 \(incorporated by reference to the Company's Form 8-K filing on November 11, 2016\)](#)
  - [10.13](#) [Amended and Restated Employment Agreement with Morgan Fields, dated February 23, 2015 \(incorporated by reference to the Company's Form 8-K filing on February 24, 2015\)](#)
  - [10.14](#) [Option Agreement with Steve Howe, dated January 30, 2013 \(incorporated by reference to the Company's Form 8-K filing on February 6, 2013\)](#)
  - [10.15](#) [Option Agreement with Nevan Elam, dated January 30, 2013 \(incorporated by reference to the Company's Form 8-K filing on February 6, 2013\)](#)
  - [10.16](#) [Option Agreement with Sankaram Mantripragada, dated January 30, 2013 \(incorporated by reference to the Company's Form 8-K filing on February 6, 2013\)](#)
  - [10.17](#) [Option Agreement with Hoyoung Huh, dated January 30, 2013 \(incorporated by reference to the Company's Form 8-K filing on February 6, 2013\)](#)
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- [10.18](#) [Subscription Agreement \(incorporated by reference to the Company's 8-K filing on January 16, 2014\)](#)
- [10.19](#) [Form of Bridge Note \(incorporated by reference to the Company's Form 8-K filing on January 16, 2014\)](#)
- [10.20](#) [Form of Note Conversion Letters \(incorporated by reference to the Company's Form 10-Q filing on February 13, 2014\)](#)
- [10.21](#) [Unit Subscription Agreement \(incorporated by reference to the Company's Form 8-K filing on April 1, 2014\)](#)
- [10.22](#) [AntriaBio, Inc. 2014 Stock and Incentive Plan \(incorporated by reference to Appendix B to the Company's Definitive Information Statement on Schedule 14C filed on April 10, 2014\)](#)
- [10.23](#) [AntriaBio, Inc. 2015 Non Qualified Stock Option Plan \(incorporated by reference to the Company's Form 8-K filing on February 24, 2015\)](#)
- [10.24](#) [AntriaBio, Inc. 2016 Non Qualified Stock Option Plan \(incorporated by reference to the Company's Form 8-K filing on November 4, 2016\)](#)
- [10.25](#) [AntriaBio, Inc. 2016 Non Qualified Stock Option Plan, as Amended \(incorporated by reference to the Company's Form 10-K on September 22, 2017\)](#)
- [10.26](#) [Nevan Elam Refresh Stock Option Agreement \(incorporated by reference to the Company's Form 8-K on December 29, 2016\)](#)
- [10.27](#) [Nevan Elam Prospective Refresh Stock Option Agreement \(incorporated by reference to the Company's Form 8-K on December 29, 2016\)](#)
- [10.28](#) [Hoyoung Huh Refresh Stock Option Agreement \(incorporated by reference to the Company's Form 8-K on December 29, 2016\)](#)
- [10.29](#) [Hoyoung Huh Prospective Refresh Stock Option Agreement \(incorporated by reference to the Company's Form 8-K on December 29, 2016\)](#)
- [10.30](#) [Morgan Fields Refresh Stock Option Agreement \(incorporated by reference to the Company's Form 8-K on December 29, 2016\)](#)
- [10.31](#) [Morgan Fields Prospective Refresh Stock Option Agreement \(incorporated by reference to the Company's Form 8-K on December 29, 2016\)](#)
- [10.32](#) [Sankaram Mantripragada Stock Option Agreement \(incorporated by reference to the Company's Form 8-K on December 29, 2016\)](#)
- [10.33](#) [Form of Stock Option Cancellation Agreement \(incorporated by reference to the Company's Form 10-Q filing on May 15, 2017\)](#)
- [10.34](#) [Lease Agreement \(incorporated by reference to the Company's Form 8-K filing on May 12, 2014\)](#)
- [10.35](#) [Lease Agreement with Elion \(incorporated by reference to the Company's Form 10-K on September 22, 2017\)](#)
- [10.36](#) [Sublease Agreement with Elion \(incorporated by reference to the Company's Form 10-K on September 22, 2017\)](#)
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- [10.37](#) [Form of Subscription Agreement \(incorporated by reference to the Company's Form 8-K filing on January 5, 2015\)](#)
- [10.38](#) [Form of Subscription Agreement \(incorporated by reference to the Company's Form 8-K filing on April 6, 2015\)](#)
- [10.39](#) [Form of Purchase Agreement \(incorporated by reference to the Company's Form 10-Q filing on February 16, 2016\)](#)
- [10.40](#) [Collaboration Agreement \(incorporated by reference to the Company's Form 8-K filing on March 2, 2016\)](#)
- [10.41](#) [Form of Purchase Agreement \(incorporated by reference to the Company's Form 8-K filing on June 29, 2016\)](#)
- [10.42](#) [Form of Exchange Agreement \(incorporated by reference to the Company's Form 8-K filing on June 29, 2016\)](#)
- [10.43](#) [Placement Agent Agreement dated March 22, 2016 \(incorporated by reference to the Company's Form 10-K filing on September 28, 2016\)](#)
- [10.44](#) [Placement Agent Agreement dated April 11, 2016 \(incorporated by reference to the Company's Form 10-K filing on September 28, 2016\)](#)
- [10.45](#) [Form of Purchase Agreement \(incorporated by reference to the Company's Form 8-K filing on March 6, 2017\)](#)
- [10.46](#) [Development and License Agreement \(incorporated by reference to the Company's Form 8-K filing on August 7, 2017\)](#)
- [21.1](#) [Listing of Subsidiaries \(incorporated by reference to the Company's Form 10-K filing on September 22, 2017\)](#)
- [23.1](#) [Consent of EKS&H LLLP \(incorporated by reference to the Company's Registration Statement on Form S-1 filing on September 22, 2017\)](#)
- [23.2](#) [Consent of Dorsey & Whitney, LLP\\* \(included in Exhibit 5.1\)](#)
- [24.1](#) [Power of Attorney \(contained on signature page to the registration statement\)](#)

\* Filed herewith

(1) To be filed by Amendment.

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October 21, 2017

AntriaBio, Inc.  
1450 Infinite Drive  
Louisville, CO 80027

Re: Registration Statement on Form S-1 (File No. 333--220585)

Ladies and Gentlemen:

We have acted as counsel to AntriaBio, Inc., a Delaware corporation (the “**Company**”), in connection with the Registration Statement on Form S-1 (the “**Registration Statement**”) filed by the Company with the Securities and Exchange Commission (the “**Commission**”) under the United States Securities Act of 1933, as amended (the “**Securities Act**”), relating to the offer and sale by certain selling stockholders of up to 5,190,909 shares of common stock, par value \$0.001 per share, of the Company (the “**Shares**”).

We have also examined such other documents and reviewed such questions of law as we have considered necessary and appropriate for the purposes of our opinions set forth below. In rendering our opinions, we have assumed the authenticity of all documents submitted to us as originals, the genuineness of all signatures and the conformity to authentic originals of all documents submitted to us as copies. We have also assumed the legal capacity for all purposes relevant hereto of all natural persons and, with respect to all parties to agreements or instruments relevant hereto other than the Company, that such parties had the requisite power and authority (corporate or otherwise) to execute, deliver and perform such agreements or instruments, that such agreements or instruments have been duly authorized by all requisite action (corporate or otherwise), executed and delivered by such parties and that such agreements or instruments are the valid, binding and enforceable obligations of such parties. As to questions of fact material to our opinions, we have relied upon certificates of officers of the Company and of public officials. We have assumed that the Shares will be sold as described in the Registration Statement.

Based on the foregoing, we are of the opinion that the Shares have been validly issued and are fully paid and non-assessable.

Our opinions expressed above are limited to the Delaware General Corporation Law.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement, and to the reference to our firm under the heading “Legal Matters” in the prospectus constituting part of the Registration Statement. In giving this consent, we do not admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission thereunder.

Very truly yours,

Dorsey & Whitney LLP

AWE/MLW

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