

MYRIAD GENETICS INC

Form 424B5

June 04, 2004

Table of Contents

Index to Financial Statements

Filed Pursuant to Rule 424(b)(5)

Registration No. 333-73124

PROSPECTUS SUPPLEMENT

(To Prospectus dated November 14, 2001)

3,400,000 Shares

COMMON STOCK

Myriad Genetics, Inc. is offering 3,400,000 shares of its common stock.

Our common stock is quoted on the Nasdaq National Market under the symbol MYGN. On June 3, 2004 the last reported sale price of our common stock on the Nasdaq National Market was \$16.01 per share.

Investing in our common stock involves risks. See Risk Factors beginning on page S-5 of this prospectus supplement.

PRICE \$15.25 A SHARE

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

	<i>Price to Public</i>	<i>Underwriting Discounts and Commissions</i>	<i>Proceeds to Myriad Genetics</i>
<i>Per Share</i>	\$15.25	\$.50	\$14.75
<i>Total</i>	\$51,850,000	\$1,700,000	\$50,150,000

We have granted Morgan Stanley & Co. Incorporated the right to purchase up to an additional 510,000 shares to cover over-allotments.

The Securities and Exchange Commission and state securities regulators have not approved or disapproved these securities, or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Morgan Stanley & Co. Incorporated expects to deliver the shares to purchasers on June 9, 2004.

MORGAN STANLEY

June 3, 2004

Table of Contents**Index to Financial Statements**

TABLE OF CONTENTS

	<u>Page</u>
<u>PROSPECTUS SUPPLEMENT</u>	
<u>Prospectus Supplement Summary</u>	S-3
<u>Risk Factors</u>	S-5
<u>Special Note Regarding Forward-Looking Statements</u>	S-14
<u>Use of Proceeds</u>	S-15
<u>Dilution</u>	S-15
<u>Underwriter</u>	S-16
<u>Description of Common Stock</u>	S-18
<u>Legal Matters</u>	S-18
<u>Where You Can Find More Information</u>	S-18

	<u>Page</u>
<u>PROSPECTUS</u>	
<u>About this Prospectus</u>	3
<u>Our Business</u>	3
<u>Risk Factors</u>	5
<u>Special Note Regarding Forward-Looking Statements</u>	5
<u>Use of Proceeds</u>	6
<u>The Securities We May Offer</u>	6
<u>Description of Common Stock</u>	6
<u>Description of Preferred Stock</u>	9
<u>Description of Depositary Shares</u>	9
<u>Description of Debt Securities</u>	12
<u>Description of Warrants</u>	17
<u>Legal Ownership of Securities</u>	19
<u>Plan of Distribution</u>	22
<u>Legal Matters</u>	23
<u>Experts</u>	23
<u>Where You Can Find More Information</u>	23
<u>Incorporation of Documents by Reference</u>	24

Unless stated otherwise, references in this prospectus supplement and the accompanying prospectus to Myriad, we, us, or our refer to Myriad Genetics, Inc., a Delaware corporation, and its subsidiaries.

This document is in two parts. The first part is this prospectus supplement, which describes the terms of the offering of common stock and also adds to and updates information contained in the accompanying prospectus and the documents incorporated by reference into the accompanying prospectus. The second part is the accompanying prospectus, which gives more general information, some of which may not apply to the common stock. To the extent there is a conflict between the information contained in this prospectus supplement, on the one hand, and the information contained in the accompanying prospectus or any document incorporated by reference therein, on the other hand, the information in this prospectus supplement shall control.

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

You should rely only on the information contained in this prospectus supplement and contained, or incorporated by reference, in the accompanying prospectus. We have not authorized anyone to provide you with information that is different. We are offering to sell, and seeking offers to buy, shares of common stock only in jurisdictions where offers and sales are permitted. The information contained in this prospectus supplement and contained, or incorporated by reference, in the accompanying prospectus is accurate only as of the respective dates thereof, regardless of the time of delivery of this prospectus supplement and the accompanying prospectus, or of any sale of the common stock. It is important for you to read and consider all information contained in this prospectus supplement and the accompanying prospectus, including the documents incorporated by reference therein, in making your investment decision. You should also read and consider the information in the documents we have referred you to in [Where You Can Find More Information](#) below.

S-2

Table of Contents

Index to Financial Statements

PROSPECTUS SUPPLEMENT SUMMARY

This summary highlights information contained elsewhere or incorporated by reference in this prospectus supplement and the accompanying prospectus. This summary does not contain all of the information that you should consider before deciding to invest in our common stock. You should read this entire prospectus supplement and the accompanying prospectus carefully including the Risk Factors section contained in this prospectus supplement and our consolidated financial statements and the related notes and the other documents incorporated by reference in the accompanying prospectus.

We are a leading biopharmaceutical company focused on the development of novel therapeutic products and the development and marketing of predictive medicine products. We employ a number of proprietary technologies that permit us to identify genes, their related proteins and the biological pathways they form. We use this information to better understand the role proteins play in the onset and progression of human disease.

We believe that the future of medicine lies in the creation of new classes of drugs that prevent disease from occurring or progressing and that treat the underlying cause, not just the symptoms, of disease. By understanding the genetic basis of disease, we believe we will be able to develop drugs that are safer and more efficacious. In addition, we believe that advances in the emerging field of predictive medicine will improve our ability to determine which patients are subject to a greater risk of developing these diseases and who therefore would benefit from these new preventive therapies.

Myriad researchers have made important discoveries in the fields of cancer, Alzheimer's disease, AIDS, depression, and obesity. These discoveries point to novel disease pathways that may pave the way for the development of new classes of drugs. Flurizan, our lead therapeutic candidate for the treatment of prostate cancer, is currently in a large, multi-center Phase 2/3 human clinical trial. We are also conducting a Phase 1 human clinical trial for the evaluation of Flurizan for the treatment of Alzheimer's disease. The Phase 1 study will evaluate the safety of Flurizan in healthy older volunteers and is being conducted at the Mayo Clinic and the University of California, San Diego. We are also conducting a Phase 2 human clinical study in Europe and Canada to assess the efficacy of Flurizan in patients with mild to moderate Alzheimer's disease. We intend to independently develop and, subject to regulatory approval, market our therapeutic products, particularly in the area of cancer, viral disease, and Alzheimer's disease.

We also have developed and commercialized a number of innovative predictive medicine products, including:

- BRACAnalysis[®], which assesses a woman's risk of developing breast and ovarian cancer;
- COLARIS[®] and COLARIS AP, which determine a person's risk of developing colon cancer; and
- MELARIS[®], which assesses a person's risk of developing malignant melanoma, a deadly form of skin cancer.

In the United States we market these products using our own 100 person sales force. We have complemented our internal sales and marketing efforts through a marketing collaboration with Laboratory Corporation of America Holdings to sell our products to primary care physicians.

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

Predictive medicine revenues were \$11.7 million and \$30.2 million for the three and nine months ended March 31, 2004, respectively.

We have devoted substantially all of our resources to undertaking our drug discovery and development programs, operating our predictive medicine business, and continuing our research and development efforts. Our revenues have consisted primarily of sales of predictive medicine products, research payments, upfront fees, and milestone payments. We have yet to attain profitability and, for the three and nine months ended March 31, 2004, we had net losses of \$10.7 million and \$30.2 million, respectively. As of March 31, 2004 we had an accumulated deficit of \$128.8 million.

S-3

Table of Contents**Index to Financial Statements**

We expect to incur losses for at least the next several years, primarily due to the expansion of our drug discovery and development efforts, the initiation and continuing conduct of human clinical trials, the launch of new predictive medicine products, the continuation of our internal research and development programs, and expansion of our facilities. Additionally, we expect to incur substantial sales, marketing and other expenses in connection with building our pharmaceutical and predictive medicine businesses. We expect that losses will fluctuate from quarter to quarter and that such fluctuations may be substantial.

We are a Delaware corporation. Our principal executive offices are located at 320 Wakara Way, Salt Lake City, Utah 84108, and our telephone number is (801) 584-3600. Our web site address is www.myriad.com. The information contained on our web site is not incorporated by reference into this prospectus. We have included our web site address in this prospectus supplement only as an inactive textual reference and do not intend it to be an active link to our web site.

Myriad, our graphical logo, BRACAnalysis, CardiaRisk, COLARIS, COLARIS AP, Flurizan, MELARIS, PROLARIS, ProNet, ProSpec, and ProTrap are our trademarks. This prospectus supplement, the accompanying prospectus, and the documents incorporated by reference may contain trademarks of other companies.

THE OFFERING

Unless otherwise indicated, all information in this prospectus supplement assumes that the underwriter does not exercise its over-allotment option.

Common stock offered by Myriad	3,400,000 shares
Common stock to be outstanding after the offering	30,617,101 shares
Over-allotment option	510,000 shares
Use of proceeds	For general corporate purposes, to advance drug development, including our preclinical studies and clinical trials, to further our predictive medicine product strategy, to develop new technologies, for general working capital and for possible future acquisitions. See Use of Proceeds on page S-15.
Nasdaq National Market symbol	MYGN

The information above is based on 27,217,101 shares of common stock outstanding as of May 31, 2004. It does not include:

- 5,917,938 shares of common stock issuable upon the exercise of stock options outstanding as of May 31, 2004 at a weighted average exercise price of \$27.65 per share;

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

- 30,000 shares of common stock issuable upon the exercise of warrants outstanding as of May 31, 2004 at a weighted average exercise price of \$40.00 per share;
- 962,147 shares of common stock reserved for future awards under our 2003 Employee, Director and Consultant Stock Option Plan as of May 31, 2004; and
- 90,734 shares of common stock reserved for future issuance under our Employee Stock Purchase Plan as of May 31, 2004.

S-4

Table of Contents

Index to Financial Statements

RISK FACTORS

Investing in our common stock involves a high degree of risk. You should carefully consider the following risk factors and all other information contained in this prospectus supplement and the accompanying prospectus and incorporated by reference into the accompanying prospectus before purchasing our common stock. The risks and uncertainties described below are not the only ones facing us. Additional risks and uncertainties that we are unaware of, or that we currently deem immaterial, also may become important factors that affect us. If any of the following risks occur, our business, financial condition or results of operations could be materially and adversely affected. In that case, the trading price of our common stock could decline, and you may lose some or all of your investment.

Risks Related to Our Business

We are a company in the early stages of development and commercialization and may never achieve the goals of our business plan.

Although we have developed and marketed several predictive medicine products to date, we believe our future success is dependent upon our ability to successfully develop and commercialize our potential therapeutic products and additional predictive medicine products. Our therapeutic products are still in the early stages of development. Flurizan, our lead therapeutic compound, is in a large, multi-center human clinical trial. We have also entered into a Phase II human clinical trial for the evaluation of R-flurbiprofen (MPC-7869) for the treatment of Alzheimer's disease. Other potential therapeutic products are in various stages of pre-clinical development. Any therapeutic products under development by us will take several more years to develop and undergo extensive pre-clinical and clinical testing. Additionally, therapeutic products are subject to substantial regulatory review. We may be unable to discover or develop any therapeutic or additional predictive medicine products through the utilization of our technologies. Even if we develop products for commercial use, we may not be able to develop products that:

- meet applicable regulatory standards, in a timely manner or at all;
- successfully compete with other technologies and products;
- avoid infringing the proprietary rights of others;
- are manufacturable in sufficient quantities or at reasonable cost; or
- are successfully marketed.

We have a history of operating losses and expect to continue to incur losses in the future.

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

We have a limited operating history and have experienced operating losses since our inception. We expect these losses to continue for the next several years, and we may never be profitable or achieve significant revenues. For example, we experienced net losses of \$10.7 million and \$30.2 million for the three and nine months ended March 31, 2004, respectively, \$24.8 million during the fiscal year ended June 30, 2003, \$14.0 million during the fiscal year ended June 30, 2002 and \$7.2 million during the year ended June 30, 2001. We had an accumulated deficit of \$128.8 million as of March 31, 2004. In order to develop and commercialize our products, we expect to incur significant increases in our expenses over the next several years. As a result, we expect to incur operating losses at least for the foreseeable future. Our ability to achieve significant revenues or profitability will depend upon numerous factors, including our ability to:

- identify drug targets and lead compounds that may lead to future therapeutic products;
- develop candidate drugs and receive required regulatory approvals;
- launch new therapeutic products;

S-5

Table of Contents

Index to Financial Statements

- develop a sales force and marketing team to market our therapeutic products; and
- create and introduce additional marketable predictive medicine products.

Failure to obtain or maintain regulatory approvals for our potential therapeutic products would harm our business.

Our potential therapeutic products are subject to stringent regulation with respect to product safety and efficacy by various foreign, federal, state and local authorities. Of particular significance are the FDA's requirements covering R&D, preclinical and clinical testing, manufacturing, quality control, labeling and promotion of drugs for human use. A therapeutic product cannot be marketed in the United States until it has been approved by the FDA, and then can only be marketed for the indications and claims approved by the FDA. As a result of these requirements, the length of time, the level of expenditures and the laboratory and clinical information required for approval of a New Drug Application (or NDA), are substantial and can require a number of years. In addition, if any of our potential therapeutic products receive regulatory approval, they would remain subject to ongoing FDA regulation, including, for example, changes to the product label, new or revised regulatory requirements for manufacturing practices, written advisements to physicians and a product recall.

We cannot be sure that we can obtain necessary regulatory approvals on a timely basis, if at all, for any of the therapeutic products we are developing or that if approved, we can maintain necessary regulatory approvals for such products, and all of the following could have a material adverse effect on our business:

- significant delays in obtaining or failing to obtain required approvals;
- loss of, or changes to, previously obtained approvals; or
- failure to comply with existing or future regulatory requirements, including Good Manufacturing Practices regulations.

Moreover, it is possible that the current regulatory framework could change or additional regulations could arise at any stage during our product development or marketing, which may affect our ability to obtain or maintain approval of our potential therapeutic products.

We have only limited experience in regulatory affairs, and some of our products may be based on new technologies, which may delay or otherwise adversely affect our ability to obtain necessary regulatory approvals.

We have only limited experience in filing the applications necessary to gain regulatory approvals. Moreover, certain of our potential therapeutic products are based on new technologies and new therapeutic approaches that have not been extensively tested in humans. The regulatory requirements governing these types of products may be more rigorous than for conventional products. As a result, we may experience a longer regulatory process in connection with any products that we develop based on these new technologies or new therapeutic approaches.

The development and marketing of our potential therapeutic products will be very expensive.

The development of our potential therapeutic products will require significant research and development expenditures. In addition, preclinical and clinical testing and the regulatory approval process will require the expenditure of significant funds. Before receiving all required FDA approvals to market any therapeutic product, we will have to demonstrate that the product is safe and effective on the patient population and for the diseases that would be treated. The clinical testing, manufacturing and marketing of products are subject to the rigorous testing and approval process of the FDA and equivalent foreign regulatory authorities, which can take many years and require the expenditure of substantial financial and other resources. Even after spending significant funds, we may not be able to develop or successfully commercialize any potential therapeutic products as the therapeutic products that we may develop will be subject to the risks of failure inherent in the development of therapeutic products based on new technologies. These risks include the possibilities that:

- potential therapeutic products will be found to be unsafe or ineffective or otherwise fail to receive necessary regulatory clearances;

Table of Contents

Index to Financial Statements

- the products, if safe and effective, will be difficult to manufacture on a large scale or uneconomical to market;
- proprietary rights of third parties will preclude us or our partners from marketing our products; or
- third parties will market superior or equivalent products.

In addition, as we develop therapeutic products internally, we will have to make significant investments in therapeutic product development, marketing, sales and regulatory compliance resources. We will also have to establish facilities for or contract for the manufacture of products, including supplies of drugs used in clinical trials, under the current Good Manufacturing Practices of the FDA, which can be time consuming and costly.

We face uncertain results of clinical trials for our potential therapeutic products.

Our future success depends in large part upon the results of clinical trials designed to assess the safety and efficacy of our potential therapeutic products. The completion rate of clinical trials depends significantly upon the rate of patient enrollment. Our inability to enroll patients on a timely basis could result in increased expenses and product development delays, which could harm our business. We can make no assurances that patients enrolled in our clinical trials will respond to our product candidates, that any product candidate will be safe and effective or that data derived from the trials will be suitable for submission to the FDA or satisfactorily support a NDA. Factors that affect patient enrollment include:

- size of patient population for the targeted disease;
- eligibility criteria;
- proximity of eligible patients to clinical sites;
- clinical trial protocols; and
- the existence of competing protocols and existing approved drugs.

Even if a trial is fully enrolled, significant uncertainties remain as to whether it will prove successful. Success in preclinical development and early clinical trials does not ensure that large-scale trials will be successful nor does it predict final results. Acceptable results in early trials may not be repeated in later trials. A number of companies in the pharmaceutical and biotechnology industry have suffered significant setbacks in advanced clinical trials, even after promising results in earlier clinical trials. Negative or inconclusive results or adverse medical events during a clinical trial could cause that trial to be redone or terminated. In addition, failure to construct appropriate clinical trial protocols could result in the test or control group experiencing a disproportionate number of adverse events and could cause a clinical trial to be redone or terminated.

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

Furthermore, the length of time necessary to complete clinical trials and submit an application for marketing and manufacturing approvals varies significantly and may be difficult to predict. Failure to comply with extensive FDA regulations may result in delay, suspension or cancellation of a trial or the FDA's refusal to accept test results. The FDA may also suspend our clinical trials at any time if it concludes that the participants are being exposed to unacceptable risks. Consequently, we cannot ensure that clinical testing will be completed timely or successfully, if at all, for any of our potential therapeutic products.

We have limited experience in conducting preclinical studies and clinical trials, which may delay or prevent us from commercializing our therapeutic products.

We currently have limited experience in conducting preclinical and clinical trial activities. We may choose to, or may be required to, suspend, repeat or terminate our clinical trials if they are not conducted in accordance with regulatory requirements or the clinical trials are not well designed. In order to successfully develop and commercialize our therapeutic products, we will be required to further develop our internal capability to conduct

S-7

Table of Contents

Index to Financial Statements

preclinical studies and clinical trials. For some of our drug candidates, we may rely on our strategic partners, and in some instances, we may rely on third-party clinical research organizations, to design and conduct preclinical and clinical activities. Our reliance on strategic partners and third parties for preclinical and clinical development activities will reduce our control over these activities. In addition, if necessary, our inability to contract for any necessary clinical activities on acceptable terms would impair or delay our ability to complete our drug development programs, which could adversely affect our business.

Our current predictive medicine products and other predictive medicine or therapeutic products that we may develop may never achieve significant commercial market acceptance.

We may not succeed in achieving significant commercial market acceptance of any of our products. While we have marketed several of our predictive medicine products for several years and have gained some acceptance with oncologists, we need to convince the larger group of obstetricians/gynecologists and primary care physicians of the benefits of our predictive medicine products in order to increase our sales of those products. Our ability to successfully commercialize our current predictive medicine products, as well as any other predictive medicine or therapeutic products that we may develop, will depend on several factors, including:

- Our ability to convince the medical community of the safety and clinical efficacy of our products and their potential advantages over existing therapeutic products and predictive medicine products.
- The agreement by third-party payors to provide full or even partial reimbursement coverage for our products, the scope and extent of which will affect patients willingness or ability to pay for our products and will likely heavily influence physicians' decisions to recommend our products.
- The willingness of physicians and patients to utilize predictive medicine products which are difficult to perform and interpret. This difficulty is caused by a combination of factors, including the large number, sometimes many hundreds, of different mutations in the genes which our tests analyze, the need to characterize each specific mutation, and the ability of our products to predict only as to a statistical probability, not certainty, that a tested individual will develop the disease for which the test has been completed.

These factors present obstacles to significant commercial acceptance of our products, which we will have to spend substantial time and money to overcome, if we can do so at all. Our inability to successfully do so will harm our business.

If we are unable to comply with applicable governmental regulations, we may not be able to continue our predictive medicine operations.

The establishment and operation of our predictive medicine laboratory and the production and marketing of services and products developed through our technologies, as well as our ongoing research and development activities, are subject to regulation by numerous federal, state and local governmental authorities in the United States. We have been accredited under the Clinical Laboratory Evaluation Program by the Department of Health of the State of New York. Failure to maintain state regulatory compliance, or changes in state regulatory schemes, could result in a substantial curtailment or even prohibition of our clinical activities and could have a material adverse effect on our business. We have received federal accreditation from the Department of Health and Human Services under the Clinical Laboratory Improvement Amendments, or CLIA, to operate our predictive medicine laboratory. However, our accreditation may subsequently be revoked, suspended or limited, or our accreditation may not be renewed on an annual basis as required. Furthermore, while the FDA has elected not to substantially regulate the activities or tests performed by laboratories like our clinical laboratory, the FDA has stated that it has the right to do so, and the FDA may seek

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

to regulate or require clearance or approval of our products in the future. If the FDA should require that these products receive FDA approval prior to their use in our laboratory, this approval may not be received on a timely basis, if at all.

S-8

Table of Contents

Index to Financial Statements

If we do not compete effectively with scientific and commercial competitors, we may not be able to successfully commercialize our products.

The biotechnology research field is intense and highly competitive. This research is characterized by rapid technological change. Our competitors in the United States and abroad are numerous and include, among others, major pharmaceutical companies, diagnostic companies, biotechnology firms, universities and other research institutions. Many of our potential competitors have considerably greater financial, technical, marketing and other resources than we do, which may allow these competitors to discover important genes and determine their function before we do. We could be adversely affected if we do not discover genes, proteins or protein pathways and characterize their function, develop therapeutic and predictive medicine products based on these discoveries, obtain regulatory and other approvals and launch these products and their related services before our competitors. We also expect to encounter significant competition with respect to any therapeutic or predictive medicine products that we may develop or commercialize. Those companies that complete clinical trials, obtain required regulatory approvals and commence commercial sales of therapeutic products before we do may achieve a significant competitive advantage in marketing and commercializing their products. We may not be able to develop therapeutic or predictive medicine products successfully and may not obtain patents covering these products that provide protection against our competitors. Moreover, our competitors may succeed in developing therapeutic or predictive medicine products that circumvent our technologies or products. Furthermore, our competitors may succeed in developing technologies or products that are more effective than those developed by us or that would render our technologies or products less competitive or obsolete. We expect competition to intensify in the fields in which we are involved as technical advances in these fields occur and become more widely known.

If we are unable to maintain relationships with current collaborative partners or enter into new collaborative arrangements, then our business could be harmed.

We currently depend and will depend in the future on third parties for support in product development, manufacturing, marketing and distribution. Part of our current business strategy is to form collaborative arrangements with strategic partners to develop and commercialize therapeutic products in the therapeutic areas outside of our primary focus areas of cancer, infectious disease, and Alzheimer's disease. We may not be able to maintain our current collaborative arrangements or negotiate additional acceptable collaborative arrangements in the future.

The research phase of our collaborations typically expires after a fixed term and if the research phase expires without being renewed, we receive no more research funding under such arrangement. Any current or future collaborative arrangement may not be successful. Failure of any collaborative arrangement, or termination by any of our collaborative partners of their respective agreements, could have a material adverse effect on our business. Further, additional milestone payments and future potential royalty payments from our collaborators are dependent upon their continuing to develop products based on the potential therapeutic targets we delivered to them. These partners may decide not to develop any products based on these targets. Even if these partners commence such development, they could decide to terminate it at any time.

In addition, our collaborative partners may pursue alternative technologies or develop alternative products either on their own or in collaboration with others, including our competitors, as a means of developing diagnostic products or treatments for the diseases targeted by our collaborative programs. Our interests may not continue to coincide with those of our collaborative partners, and some of our collaborative partners may develop, independently or with third parties, therapeutic or diagnostic products that could compete with those developed in collaboration with our partners or independently. Additionally, disputes over rights or technology or other proprietary interests may arise. Such disputes or disagreements between us and our collaborative partners could lead to delays in collaborative research projects, or could result in litigation or arbitration, any of which could have a material adverse effect on our business.

Table of Contents

Index to Financial Statements

If our current collaborators or scientific advisors terminate their relationships with us or develop relationships with a competitor, our ability to discover genes, proteins and drug targets, and commercialize therapeutic and predictive medicine products could be adversely affected.

We have relationships with collaborators at academic and other institutions who conduct research at our request. These collaborators are not our employees. As a result, we have limited control over their activities and, except as otherwise required by our collaboration agreements, can expect only limited amounts of their time to be dedicated to our activities. Our ability to discover genes, proteins, and protein pathways involved in human disease and commercialize therapeutic and predictive medicine products will depend in part on the continuation of these collaborations. If any of these collaborations are terminated, we may not be able to enter into other acceptable collaborations. In addition, our existing collaborations may not be successful.

Our research collaborators and scientific advisors may have relationships with other commercial entities, some of which could compete with us. Our research collaborators and scientific advisors sign agreements which provide for the confidentiality of our proprietary information and the results of studies conducted at our request. We may not, however, be able to maintain the confidentiality of our technology and other confidential information in connection with every collaboration. The dissemination of our confidential information could have a material adverse effect on our business.

If our current operating plan changes and we find that our existing capital resources will not meet our needs, we may find it necessary to raise additional funding, which funding may not be available.

We anticipate that our existing capital resources will enable us to maintain currently planned operations for at least the next two years. However, we base this expectation on our current operating plan, which may change. We have incurred, and will continue to incur, significant costs in the discovery, development and marketing of current and prospective therapeutic and predictive medicine products. Our ongoing drug discovery programs and our efforts to develop therapeutic and predictive medicine products will require substantial cash resources. If, for example, we discover a new drug target with promising therapeutic properties, we would require funding in addition to our current operating plan to move the candidate drug into pre-clinical studies and human clinical trials. Additionally, if a new disease gene is discovered through these efforts, we would require funds in addition to our current operating plan to demonstrate clinical utility and develop and launch a new predictive medicine product. If, due to changes in our current operating plan, adequate funds are not available, we may be required to raise additional funds. Sources of potential additional capital resources may include, but are not limited to, public or private equity financings, establishing a credit facility, or selling convertible debt securities. This additional funding, if necessary, may not be available to us on reasonable terms, or at all.

Because of our potential long-term capital requirements, we may access the public or private equity markets whenever conditions are favorable, even if we do not have an immediate need for additional capital at that time. If additional funds are raised by issuing equity securities, existing shareholders may suffer significant dilution.

If we are not able to protect our proprietary technology, our business will be harmed and we may not remain competitive.

Our success will depend, in part, on our ability to obtain patent protection, both in the United States and in other countries, for drug targets we discover, for therapeutic compounds we develop, for predisposing genes we identify and related technologies, processes, methods and other inventions that we believe are patentable. Our ability to preserve our trade secrets and other intellectual property is also critical to our long-term success. The patent position of biotechnology firms generally is highly uncertain and involves complex legal and factual questions. To date there

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

has not emerged from the United States Patent and Trademark Office, or PTO, the United States courts, or from patent offices or courts in foreign countries, a consistent policy regarding the breadth of claims allowed in biotechnology patents. Our patent applications may never issue as patents, and the claims of any issued patents may not afford meaningful protection for our technology or products. In addition, any patents issued to us or our licensors may be challenged, and subsequently narrowed, invalidated or circumvented.

S-10

Table of Contents

Index to Financial Statements

If a third party files a patent application with claims to a drug target, gene or protein we have discovered, the PTO may declare an interference between competing patent applications. If an interference is declared, we may not prevail in the interference. If the other party prevails in the interference, we may be precluded from commercializing services or products based on the drug target, gene or protein, or may be required to seek a license. A license may not be available to us on commercially acceptable terms, if at all.

We also rely upon unpatented proprietary technologies. Although we require employees, consultants and collaborators to sign confidentiality agreements, we may not be able to adequately protect our rights in such unpatented proprietary technologies, which could have a material adverse effect on our business. For example, others may independently develop substantially equivalent proprietary information or techniques or otherwise gain access to our proprietary technologies or disclose our technologies to our competitors.

If we were sued for patent infringement by third parties, we might incur significant costs and delays in product introduction.

Our products may also conflict with patents that have been or may be granted to others. Our industry includes many organizations seeking to rapidly identify drug targets, small molecule compounds, proteins, and genes through the use of genomic, proteomic and other technologies. To the extent any patents are issued to those organizations on drug targets, proteins, genes or uses for such genes and proteins, the risk increases that the sale of our predictive medicine products currently being marketed or under development, and any sales of therapeutic drugs developed by us, may give rise to claims of patent infringement. Others may have filed and in the future are likely to file patent applications covering genes or drug targets that are similar or identical to our products. Any of these patent applications may have priority over our patent applications and these entities or persons could bring legal proceedings against us seeking damages or seeking to enjoin us from testing, manufacturing or marketing our products. Patent litigation is costly, and even if we prevail, the cost of such litigation could have a material adverse effect on us. If the other parties in any such actions are successful, in addition to any liability for damages, we could be required to cease the infringing activity or obtain a license. Any license required may not be available to us on commercially acceptable terms, if at all. Our failure to obtain a license to any technology that we may require to commercialize our products could have a material adverse effect on our business. We believe that there may be significant litigation in the industry regarding patent and other intellectual property rights. If we become involved in this litigation, it could consume a substantial portion of our managerial and financial resources.

If we fail to retain our key personnel and hire, train and retain qualified employees and consultants, we may not be able to successfully continue our business.

Because of the specialized scientific nature of our business, we are highly dependent upon our ability to attract and retain qualified management, scientific and technical personnel. We are currently recruiting additional qualified management, scientific and technical personnel. Competition for such personnel is intense. Loss of the services of or failure to recruit additional key management, scientific and technical personnel would adversely affect our research and development programs and predictive medicine business and may have a material adverse effect on our business as a whole.

Our agreements with our employees generally provide for employment that can be terminated by either party without cause at any time, subject to specified notice requirements. Further, the non-competition provision to which each employee is subject expires on the applicable date of termination of employment.

We have no experience manufacturing therapeutic products, and we currently intend to rely on third-party manufacturers to manufacture such products for us.

We have no manufacturing experience and no commercial scale manufacturing capabilities for therapeutic products. We currently rely upon third parties to produce material for preclinical and clinical testing purposes and expect to continue to do so in the future. We also expect to rely upon third parties, including our collaborators, for the commercial production of approved therapeutic products. There are a limited number of manufacturers that

S-11

Table of Contents

Index to Financial Statements

operate under the FDA's Good Manufacturing Practices regulations. If we are unable to arrange for third party manufacturing of our products, or to do so on commercially reasonable terms, our clinical trials may be delayed, or we may not be able to complete development of our therapeutic products or market them.

Reliance on third party manufacturers also entails risks to which we would not be subject if we manufactured products ourselves, including reliance on the third party for regulatory compliance and quality assurance, the possibility of breach of the manufacturing agreement by the third party because of factors beyond our control and the possibility of termination or nonrenewal of the agreement by the third party, based on its own business priorities, at a time that is costly or inconvenient for us. Although we have no current intention to do so, if in the future we elected to manufacture certain of our therapeutic products in our own manufacturing facilities, we would need to invest substantial additional funds and recruit qualified personnel in order to build or lease and operate any manufacturing facilities.

We have limited sales, marketing and distribution capabilities, and with respect to our potential therapeutic products, we may be dependent on third parties to successfully perform these functions on our behalf, or we may be required to incur significant costs and devote significant efforts to augment our existing capabilities.

We have limited sales, marketing and distribution experience and capabilities. These capabilities consist primarily of our sales force that markets our cancer-related predictive medicine products to oncologists in the United States. We believe that if we develop therapeutic products in the area of cancer, given the concentrated nature of the oncology market, we would be able to leverage the efforts of our existing oncology sales force to market these products. However, depending on the nature of the therapeutic products and services for which we obtain marketing approval, we may need to rely significantly on sales, marketing and distribution arrangements with our collaborators and other third parties. For example, some types of pharmaceutical products require a large sales force and extensive marketing capabilities for effective commercialization. For therapeutic products for diseases with small medical specialty groups, such as AIDS or Alzheimer's disease, we may elect to develop our own sales and marketing force. If in the future we elect to perform sales, marketing and distribution functions for such types of products ourselves, we would face a number of additional risks, including the need to recruit a large number of additional experienced marketing and sales personnel.

We depend on a limited number of third parties for some of our supplies of equipment and reagents. If these supplies become unavailable, then we may not be able to successfully perform our research or operate our business at all or on a timely basis.

We currently rely on a small number of suppliers to provide our gene sequencing machines and reagents required in connection with our research. We believe that currently there are limited alternative suppliers of gene sequencing machines and reagents. The gene sequencing machines or the reagents may not remain available in commercial quantities at acceptable costs. If we are unable to obtain when needed additional gene sequencing machines or an adequate supply of reagents or other ingredients at commercially reasonable rates, our ability to continue to identify genes and perform molecular diagnostic testing would be adversely affected.

If we were successfully sued for product liability, we could face substantial liabilities that exceed our resources.

Our business exposes us to potential liability risks inherent in the testing, marketing and processing of predictive medicine products, including possible misdiagnoses. In addition, clinical trials or marketing of any potential therapeutic products may expose us to liability claims from the use of these therapeutic products. Although we are insured against such risks in amounts that we believe to be commercially reasonable, our

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

present product liability insurance may be inadequate. A successful product liability claim in excess of our insurance coverage could have a material adverse effect on our business. Any successful product liability claim may prevent us from obtaining adequate product liability insurance in the future on commercially desirable or

S-12

Table of Contents

Index to Financial Statements

reasonable terms. An inability to obtain sufficient insurance coverage at an acceptable cost or otherwise to protect against potential product liability claims could prevent or inhibit the commercialization of our products.

Our business involves environmental risks that may result in liability for us.

In connection with our research and development activities, we are subject to federal, state and local laws, rules, regulations and policies governing the use, generation, manufacture, storage, air emission, effluent discharge, handling and disposal of certain materials, biological specimens, chemicals and wastes. Although we believe that we have complied with the applicable laws, regulations and policies in all material respects and have not been required to correct any material noncompliance, we may be required to incur significant costs to comply with environmental and health and safety regulations in the future. Although we believe that our safety procedures for handling and disposing of controlled materials comply with the standards prescribed by state and federal regulations, accidental contamination or injury from these materials may occur. In the event of such an occurrence, we could be held liable for any damages that result and any such liability could exceed our resources.

Risks Related to Our Common Stock and this Offering

Our stock price is highly volatile, and our stock may lose all or a significant part of its value.

The market prices for securities of biotechnology and genomic companies have been volatile. This volatility has significantly affected the market prices for these securities for reasons frequently unrelated to the operating performance of the specific companies. These broad market fluctuations may adversely affect the market price of our common stock. The market price for our common stock has fluctuated significantly since public trading commenced in October 1995, and it is likely that the market price will continue to fluctuate in the future. In addition, the stock market has experienced extreme price and volume fluctuations. Events or factors that may have a significant impact on our business and on the market price of our common stock include the following:

- quarterly fluctuations in operating results;
- announcements by us, our collaborative partners or our present or potential competitors;
- technological innovations or new commercial products or services;
- research or product development results;
- regulatory approval developments;

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

- developments or disputes concerning patent or proprietary rights;
- public concern regarding the safety, efficacy or other implications of our products or services; or
- general market conditions out of our control.

Management will have broad discretion as to the use of the proceeds from this offering, and we may not use the proceeds effectively.

We have not designated the amount of net proceeds we will use for any particular purpose. Accordingly, our management will have broad discretion as to the application of the net proceeds and could use them for purposes other than those contemplated at the time of this offering. Our stockholders may not agree with the manner in which our management chooses to allocate and spend the net proceeds. Moreover, our management may use the net proceeds for corporate purposes that may not increase our profitability or our market value.

You will experience immediate dilution in the book value per share of the common stock you purchase.

Because the price per share of our common stock being offered is substantially higher than the book value per share of our common stock, you will suffer substantial dilution in the net tangible book value of the common stock you purchase in this offering. Based on the public offering price of \$15.25 per share, if you purchase shares of common stock in this offering, you will suffer immediate and substantial dilution of \$9.32 per share in the net tangible book value of the common stock. If the underwriter exercises its over-allotment option, you will experience additional dilution. See "Dilution" on page S-15 for a more detailed discussion of the dilution you will incur in this offering.

Table of Contents

Index to Financial Statements

Anti-takeover provisions of Delaware law, provisions in our charter and bylaws and our stockholders' rights plan, or poison pill, could make a third-party acquisition of us difficult.

Because we are a Delaware corporation, the anti-takeover provisions of Delaware law could make it more difficult for a third party to acquire control of us, even if the change in control would be beneficial to stockholders. We are subject to the provisions of Section 203 of the General Corporation Law of Delaware, which prohibits us from engaging in certain business combinations, unless the business combination is approved in a prescribed manner. In addition, our restated certificate of incorporation and restated bylaws also contain certain provisions that may make a third-party acquisition of us difficult, including:

- a classified board of directors, with three classes of directors each serving a staggered three-year term;
- the ability of the board of directors to issue preferred stock;
- a 70% super-majority shareholder vote to amend our bylaws and certain provisions of our certificate of incorporation; and
- the inability of our stockholders to call a special meeting or act by written consent.

We also have implemented a stockholders' rights plan, also called a poison pill, which could make it uneconomical for a third party to acquire our company on a hostile basis. These provisions, as well as Section 203, may discourage certain types of transactions in which our stockholders might otherwise receive a premium for their shares over then current market price, and may limit the ability of our stockholders to approve transactions that they think may be in their best interests.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus supplement, the accompanying prospectus and the documents incorporated by reference in the accompanying prospectus contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These statements relate to future events or our future financial performance. In some cases, you can identify forward-looking statements by terminology such as may, will, should, intend, expect, anticipate, believe, estimate, predict, potential or continue or the or other comparable terminology. These statements are only predictions and involve known and unknown risks, uncertainties and other factors, including the risks outlined under Risk Factors beginning on page S-5 of this prospectus supplement and elsewhere in this prospectus supplement, that may cause our or our industry's actual results, levels of activity, performance or achievements to differ from those expressed or implied by such forward-looking statements. Before deciding to purchase our common stock, you should carefully consider the risks described in the Risk Factors section of this prospectus supplement, in addition to the other information set forth in this prospectus supplement, the accompanying prospectus and in the documents incorporated by reference in the accompanying prospectus.

Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance or achievements. Except as may be required by law, we do not intend to update any of the forward-looking statements for any reason after the date of this prospectus supplement to conform such statement to actual results or if new information becomes available.

Table of Contents**Index to Financial Statements****USE OF PROCEEDS**

We estimate that the net proceeds we will receive from this offering will be approximately \$50.1 million, after deducting the underwriting discounts and our estimated offering expenses. If the underwriter exercises its overallotment option, we estimate that our net proceeds will be approximately \$57.6 million. We intend to use the net proceeds from this offering for general corporate purposes, to advance drug development, including our preclinical studies and clinical trials, to further our predictive medicine product strategy, to develop new technologies, for general working capital and for possible future acquisitions. We have no current plans, agreements or commitments for any acquisitions.

We have not determined the amounts we plan to spend on any of the areas listed above or the timing of these expenditures. As a result, our management will have broad discretion to allocate the net proceeds from this offering. Pending application of the net proceeds as described above, we intend to invest the net proceeds of the offering in short-term, investment-grade, interest-bearing securities.

DILUTION

If you purchase our common stock in this offering, your interest will be diluted to the extent of the difference between the public offering price per share and the net tangible book value per share of our common stock after this offering. We calculate net tangible book value per share by dividing the net tangible book value, tangible assets less total liabilities, by the number of outstanding shares of our common stock.

Our net tangible book value at March 31, 2004, was \$131.1 million, or \$4.83 per share, based on 27,158,751 shares of our common stock outstanding. After giving effect to the sale of 3,400,000 shares of common stock by us at a public offering price of \$15.25 per share, less the underwriting discounts and commissions and our estimated offering expenses, our net tangible book value at March 31, 2004, would be \$181.1 million, or \$5.93 per share. This represents an immediate increase in the net tangible book value of \$1.10 per share to existing stockholders and an immediate dilution of \$9.32 per share to investors in this offering. The following table illustrates this per share dilution:

Public offering price per share		\$ 15.25
Net tangible book value per share as of March 31, 2004	\$ 4.83	
Increase per share attributable to new investors	1.10	
	<hr/>	
Net tangible book value per share after this offering		5.93
		<hr/>
Dilution per share to new investors		\$ 9.32
		<hr/>

Table of Contents**Index to Financial Statements****UNDERWRITER**

Under the terms and subject to the conditions set forth in the underwriting agreement dated the date of this prospectus supplement, Morgan Stanley & Co. Incorporated as underwriter has agreed to purchase, and we have agreed to sell, 3,400,000 shares of our common stock.

The underwriter is offering the shares of common stock subject to their acceptance of the shares from us. The underwriting agreement provides that the obligations of the underwriter to pay for and accept delivery of the shares of common stock offered by this prospectus supplement and accompanying prospectus are subject to the approval of certain legal matters by their counsel and to other conditions. The underwriter is obligated to take and pay for all of the shares of common stock offered by this prospectus supplement if any such shares are purchased. However, the underwriter is not required to take or pay for the shares covered by the underwriter's over-allotment option described below.

The underwriter initially proposes to offer part of the shares of common stock directly to the public at the public offering price listed on the cover page of this prospectus supplement. After the initial offering of the shares of common stock, the offering price and other selling terms may from time to time be varied.

We have granted to the underwriter an option, exercisable for 30 days from the date of this prospectus supplement, to purchase up to an aggregate of 510,000 additional shares of common stock at the public offering price listed on the cover page of this prospectus supplement, less underwriting discounts and commissions. The underwriter may exercise this option solely for the purpose of covering over-allotments, if any, made in connection with the offering of the shares of common stock offered by this prospectus. If the underwriter's option is exercised in full, the total price to the public would be approximately \$59.6 million, the total underwriter's discounts and commissions would be approximately \$2.0 million, and the total proceeds to us would be approximately \$57.7 million.

The underwriter has informed us that it does not intend sales to discretionary accounts to exceed five percent of the total number of shares of common stock offered by them.

Our common stock is quoted on The Nasdaq National Market under the symbol MYGN.

The following table shows the per share and total underwriting discounts and commissions we will allow to Morgan Stanley & Co. Incorporated in connection with the sale of shares in this offering. These amounts are shown assuming both no exercise and full exercise of the underwriter's option to purchase 510,000 additional shares.

	No Exercise	Full Exercise
Per Share	\$ 0.50	\$ 0.50
Total	\$ 1,700,000	\$ 1,955,000

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

We estimate that the total expenses of this offering which will be payable by us, excluding the underwriting discounts and commissions, will be approximately \$100,000.

We and our executive officers and directors have agreed that, without the prior written consent of Morgan Stanley & Co. Incorporated, we will not, during the period ending 90 days after the date of this prospectus supplement:

- offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend, or otherwise transfer or dispose of, directly or indirectly, any shares of common stock or any securities convertible into or exercisable or exchangeable for common stock; or

S-16

Table of Contents

Index to Financial Statements

- enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of common stock,

whether any transaction described above is to be settled by delivery of common stock, or such other securities, in cash or otherwise.

The restrictions described in the immediately preceding paragraph do not apply to:

- transactions relating to shares of common stock or other securities acquired in open market transactions after the completion of the offering;
- sales by our officers and directors pursuant to plans established in accordance with Section 10b5-1 of the Securities Exchange Act of 1934;
- transfers of shares of common stock or any security convertible into common stock as a bona fide gift or gifts; and
- transfers of shares of common stock or any security convertible into common stock to affiliates (as defined in Rule 405 under the Securities Act of 1933) of the transferor.

provided that in the case of any transfer or distribution, such donee or distributee shall execute and deliver to Morgan Stanley & Co. Incorporated an agreement to be bound by the restrictions set forth above, and that no filing by any party (donor, donee, transferor or transferee) under Section 16(a) of the Securities Exchange Act of 1934 shall be required or shall be made voluntarily in connection with such transfer or distribution (other than a filing on a Form 5 made after the expiration of the 90-day period referred to above).

In order to facilitate this offering of the common stock, the underwriter may engage in transactions that stabilize, maintain or otherwise affect the price of the common stock. Specifically, the underwriter may sell more shares than it is obligated to purchase under the underwriting agreement, creating a short position. A short sale is covered if the short position is no greater than the number of shares available for purchase by the underwriter under the over-allotment option. The underwriter can close out a covered short sale by exercising the over-allotment option or purchasing shares in the open market. In determining the source of shares to close out a covered short sale, the underwriter will consider, among other things, the open market price of shares compared to the price available under the over-allotment option. The underwriter may also sell shares in excess of the over-allotment option, creating a naked short position. The underwriter must close out any naked short position by purchasing shares in the open market. A naked short position is more likely to be created if the underwriter is concerned that there may be downward pressure on the price of the common stock in the open market after pricing that could adversely affect investors who purchase in this offering. In addition, to stabilize the price of the common stock, the underwriter may bid for, and purchase, shares of common stock in the open market. Any of these activities may stabilize or maintain the market price of the common stock above independent market levels. The underwriter is not required to engage in these activities, and may end any of these activities at any time.

We have agreed to indemnify the underwriter and its affiliates against certain liabilities, including liabilities under the Securities Act of 1933.

Table of Contents

Index to Financial Statements

DESCRIPTION OF COMMON STOCK

Transfer Agent and Registrar

American Stock Transfer & Trust Company is the transfer agent and registrar for our common stock.

LEGAL MATTERS

The validity of the shares of common stock we are offering will be passed upon for us by Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. of Boston, Massachusetts, and for the underwriters by Wilson, Sonsini, Goodrich & Rosati, Professional Corporation, of Palo Alto, California. Members of Mintz Levin and certain members of their families and trusts for their benefit own an aggregate of approximately 2,000 shares of our common stock.

WHERE YOU CAN FIND MORE INFORMATION

We file reports, proxy statements, and other information with the SEC.

You can call the SEC at 1-800-732-0330 for information regarding the operation of its Public Reference Room. The SEC also maintains an Internet site at <http://www.sec.gov> that contains reports, proxy and information statements, and information regarding registrants like us that file electronically.

Reports, proxy statements, and other information concerning us may also be inspected at The National Association of Securities Dealers, 1735 K Street, N.W., Washington, D.C. 20006.

Table of Contents

Index to Financial Statements

PROSPECTUS

MYRIAD GENETICS, INC.

\$ 250,000,000

COMMON STOCK

PREFERRED STOCK

DEPOSITARY SHARES

DEBT SECURITIES

WARRANTS

We may from time to time issue up to \$250,000,000 aggregate principal amount of common stock, preferred stock, depositary shares, debt securities and/or warrants. We will specify in the accompanying prospectus supplement the terms of the securities. We may sell these securities to or through underwriters and also to other purchasers or through agents. We will set forth the names of any underwriters or agents in the accompanying prospectus supplement.

INVESTING IN OUR SECURITIES INVOLVES RISKS.

SEE RISK FACTORS ON PAGE 5.

Our common stock is listed on the Nasdaq National Market under the symbol MYGN. On November 13, 2001, the last reported sale price of our common stock on the Nasdaq National Market was \$51.73 per share.

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

Neither the Securities and Exchange Commission nor any State Securities Commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of this Prospectus. Any representation to the contrary is a criminal offense.

This prospectus may not be used to consummate sales of securities unless it is accompanied by a prospectus supplement.

The date of this prospectus is November 14, 2001.

Table of Contents

Index to Financial Statements

TABLE OF CONTENTS

	Page
<u>ABOUT THIS PROSPECTUS</u>	3
<u>OUR BUSINESS.</u>	3
<u>RISK FACTORS.</u>	5
<u>SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS</u>	5
<u>USE OF PROCEEDS</u>	6
<u>THE SECURITIES WE MAY OFFER</u>	6
<u>DESCRIPTION OF COMMON STOCK</u>	6
<u>DESCRIPTION OF PREFERRED STOCK</u>	9
<u>DESCRIPTION OF DEPOSITARY SHARES</u>	9
<u>DESCRIPTION OF DEBT SECURITIES.</u>	12
<u>DESCRIPTION OF WARRANTS</u>	17
<u>LEGAL OWNERSHIP OF SECURITIES</u>	19
<u>PLAN OF DISTRIBUTION.</u>	22
<u>LEGAL MATTERS</u>	23
<u>EXPERTS</u>	23
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	23
<u>INCORPORATION OF DOCUMENTS BY REFERENCE</u>	24

Table of Contents

Index to Financial Statements

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission, or SEC, utilizing a shelf registration process. Under this shelf process, we may sell any combination of the securities described in this prospectus in one or more offerings up to a total dollar amount of \$250,000,000. We have provided to you in this prospectus a general description of the securities we may offer. Each time we sell securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering.

This prospectus does not contain all of the information included in the registration statement. For a more complete understanding of the offering of the securities, you should refer to the registration statement, including its exhibits. The prospectus supplement may also add, update or change information contained in this prospectus. You should read both this prospectus and the applicable prospectus supplement together with additional information under the heading *Where You Can Find More Information*.

This prospectus may not be used to consummate sales of securities, unless it is accompanied by a prospectus supplement covering those securities. To the extent there are inconsistencies between any prospectus supplement, this prospectus and any documents incorporated by reference, the document with the most recent date will control.

You should rely only on information contained in, or incorporated by reference into, this prospectus and any prospectus supplement. We have not authorized anyone to provide you with information different from that contained in this prospectus or incorporated by reference in this prospectus. We are not making offers to sell the securities in any jurisdiction in which such an offer or solicitation is not authorized or in which the person making such offer or solicitation is not qualified to do so or to anyone to whom it is unlawful to make such offer or solicitation.

The information in this prospectus is accurate as of the date on the front cover. You should not assume that the information contained in this prospectus is accurate as of any other date.

OUR BUSINESS

*The following is only a summary. We urge you to read the entire prospectus, including the more detailed financial statements, notes to the financial statements and other information incorporated by reference from our other filings with the SEC. Investing in our securities involves risk. Therefore, carefully consider the information provided under the heading *Risk Factors* on page 5.*

We are a leading biopharmaceutical company focused on the development and marketing of novel therapeutic and predictive medicine products. We have developed a number of proprietary proteomic technologies which permit us to identify genes, their related proteins and the biological pathways they form. We use this information to better understand the role proteins play in the onset and progression of human disease. We operate two wholly owned subsidiaries, Myriad Pharmaceuticals, Inc. and Myriad Genetic Laboratories, Inc., to commercialize our therapeutic and predictive medicine discoveries. Myriad Pharmaceuticals, Inc. develops and intends to market novel therapeutic products. Myriad Genetic Laboratories, Inc. focuses on the development and marketing of predictive medicine products that assess an individual's risk of developing a specific disease.

Myriad researchers have made important discoveries in the fields of cancer, viral diseases such as AIDS, and acute thrombosis. These discoveries point to novel disease pathways and have paved the way for the development of new drugs. Additionally, our pipeline of drug targets offers therapeutic opportunities for the treatment of diseases such as heart disease, rheumatoid arthritis, Alzheimer's disease and other central nervous system disorders. We have identified 141 drug targets to date. We have also established a portfolio of 12 drug candidates that are under development at Myriad. Four of these drug candidates are in preclinical testing, while

Table of Contents

Index to Financial Statements

our lead therapeutic product for the treatment of prostate cancer recently completed a phase II human clinical trial. We intend to independently develop and, subject to regulatory approval, market our therapeutic products, particularly in the area of cancer and infectious diseases.

We also have developed and commercialized four innovative predictive medicine products: BRACAnalysis[®], which is used to assess a woman's risk of developing breast and ovarian cancer, COLARIS, which is used to determine a person's risk of developing colon cancer, MELARIS which is used to determine a person's risk of developing melanoma, a deadly form of skin cancer, and CardiaRis[®], which is used for therapeutic management of hypertensive patients. We market these products using our own internal 75 person sales force in the United States and we have entered into marketing collaborations with other organizations in Austria, Canada, Germany, Japan and Switzerland. For the three-month period ended September 30, 2001, product revenues increased 81% to \$5.5 million compared with \$3.1 million from the same quarter in the prior year.

We believe that the future of medicine lies in the creation of new classes of drugs that prevent disease from occurring or progressing and that treat the cause, not just the symptoms, of disease. In addition, we believe that advances in the emerging field of predictive medicine will improve our ability to determine which patients are subject to a greater risk of developing these diseases and who therefore should receive these new preventive medicines.

We have devoted substantially all of our resources to maintaining our research and development programs, undertaking drug discovery and development, and operating our predictive medicine business. Our revenues have consisted primarily of research payments received pursuant to collaborative agreements, upfront fees, milestone payments, and sales of predictive medicine products. We have yet to attain profitability and, for the three months ended September 30, 2001, we had a net loss of \$1,185,118.

We have formed strategic alliances with 10 major pharmaceutical or multinational companies including Bayer Corporation, Eli Lilly and Company, Novartis Corporation, Hoffmann-LaRoche Inc., Pharmacia Corporation, Schering-Plough Corporation, Schering AG, Hitachi Ltd., Oracle Corporation, and Torrey Mesa Research Institute, formerly known as Novartis Agricultural Discovery Institute. We intend to enter into additional collaborative relationships to discover genes, proteins, and protein networks associated with common diseases as well as to continue to fund internal research projects. However, we may be unable to enter into additional collaborative relationships on terms acceptable to us.

In April 2001, we announced the formation of Myriad Proteomics, Inc., a new venture with Hitachi, Ltd. and Oracle Corporation to map the human proteome. Myriad Proteomics, which is 50 percent owned by the Company, intends to market a proprietary map of the human proteome to pharmaceutical and biotechnology companies for therapeutic and diagnostic product development. We have a perpetual, subscription free right to study all of the data generated by Myriad Proteomics for our own internal drug development and predictive medicine programs.

We expect to incur losses for at least the next several years, primarily due to expansion of our research and development programs, expansion of our drug discovery and development efforts, launch of new predictive medicine products, and expansion of our facilities. Additionally, we expect to incur substantial sales, marketing and other expenses in connection with building our predictive medicine business. We expect that losses will fluctuate from quarter to quarter and that such fluctuations may be substantial.

We are a Delaware corporation. Our principal executive offices are located at 320 Wakara Way, Salt Lake City, Utah 84108. Our telephone number is (801) 584-3600. Our website is <http://www.myriad.com>. The information found on our website is not intended to be a part of this prospectus.

Table of Contents

Index to Financial Statements

RISK FACTORS

Investing in our securities is very risky. Please carefully consider the risk factors described in our periodic reports filed with the SEC, including our Annual Report on Form 10-K for the fiscal year ended June 30, 2001, which is incorporated by reference in this prospectus. Before making an investment decision, you should carefully consider these risks as well as other information we include or incorporate by reference in this prospectus or include in any applicable prospectus supplement. Additional risks and uncertainties not presently known to us or that we deem currently immaterial may also impair our business operations. You should be able to bear a complete loss of your investment. See Special Note Regarding Forward-Looking Statements.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

The Securities and Exchange Commission encourages companies to disclose forward-looking information so that investors can better understand a company's future prospects and make informed investment decisions. This prospectus contains such forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements may be made directly in this prospectus, and they may also be made a part of this prospectus by reference to other documents filed with the Securities and Exchange Commission, which is known as incorporation by reference.

Words such as may, anticipate, estimate, expects, projects, intends, plans, believes and words and terms of similar substance used in any discussion of future operating or financial performance, identify forward-looking statements. All forward-looking statements are management's present expectations of future events and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. These risks and uncertainties include, among other things: our inability to further identify, develop and achieve commercial success for new products and technologies; the possibility of delays in the research and development necessary to select drug development candidates and delays in clinical trials; the risk that clinical trials may not result in marketable products; the risk that we may be unable to successfully finance and secure regulatory approval of and market our drug candidates; our dependence upon pharmaceutical and biotechnology collaborations; the levels and timing of payments under our collaborative agreements; uncertainties about our ability to obtain new corporate collaborations and acquire new technologies on satisfactory terms, if at all; the development of competing systems; our ability to protect our proprietary technologies; patent-infringement claims; and risks of new, changing and competitive technologies and regulations in the United States and internationally. Please also see the discussion of risks and uncertainties under Risk Factors in our Annual Report on Form 10-K for the fiscal year ended June 30, 2001.

In light of these assumptions, risks and uncertainties, the results and events discussed in the forward-looking statements contained in this prospectus or in any document incorporated by reference might not occur. Investors are cautioned not to place undue reliance on the forward-looking statements, which speak only of the date of this prospectus or the date of the document incorporated by reference in this prospectus. We are not under any obligation, and we expressly disclaim any obligation, to update or alter any forward-looking statements, whether as a result of new information, future events or otherwise. All subsequent forward-looking statements attributable to the Company or to any person acting on its behalf are expressly qualified in their entirety by the cautionary statements contained or referred to in this section.

Myriad®, our graphical logo device, BRACAnalysis®, CardiaRisk®, ProNet®, ProTrap, MELARIS and COLARIS are trademarks of Myriad Genetics, Inc. Other trademarks used in this prospectus are the property of their respective owners. The domain names and website addresses www.myriad.com and www.myriad-pronet.com, and all rights thereto, are registered in the name of and owned by Myriad Genetics, Inc.

Table of Contents

Index to Financial Statements

USE OF PROCEEDS

Unless we indicate otherwise in the applicable prospectus supplement, we currently intend to use the net proceeds from this offering for general corporate purposes, including our internal discovery and development programs and the development of new technologies, general working capital and possible future acquisitions.

We have not determined the amounts we plan to spend on any of the areas listed above or the timing of these expenditures. As a result, our management will have broad discretion to allocate the net proceeds from this offering. Pending application of the net proceeds as described above, we intend to invest the net proceeds of the offering in short-term, investment-grade, interest-bearing securities.

We may set forth additional information on the use of net proceeds from the sale of securities we offer under this prospectus in a prospectus supplement relating to the specific offering.

THE SECURITIES WE MAY OFFER

The descriptions of the securities contained in this prospectus, together with the applicable prospectus supplements, summarize all the material terms and provisions of the various types of securities that we may offer. We will describe in the applicable prospectus supplement relating to any securities the particular terms of the securities offered by that prospectus supplement. If we indicate in the applicable prospectus supplement, the terms of the securities may differ from the terms we have summarized below. We will also include in the prospectus supplement information, where applicable, about material United States federal income tax considerations relating to the securities, and the securities exchange, if any, on which the securities will be listed.

We may sell from time to time, in one or more offerings:

- common stock;

- preferred stock;

- depositary shares;

- debt securities; and/or

- warrants.

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

This prospectus may not be used to consummate a sale of securities unless it is accompanied by a prospectus supplement.

DESCRIPTION OF COMMON STOCK

The description of our capital stock and certain provisions of our restated certificate of incorporation, as amended, and our restated bylaws is a summary and is qualified in its entirety by the provisions of our restated certificate of incorporation, as amended and our restated bylaws.

We are authorized to issue 60,000,000 shares of common stock, \$0.01 par value per share. As of November 12, 2001, there were approximately 23,544,268 shares of common stock outstanding.

Each stockholder of record is entitled to one vote for each outstanding share of our common stock owned by that stockholder on every matter properly submitted to the stockholders for their vote. After satisfaction of the dividend rights of holders of any preferred stock, holders of common stock are entitled to any dividend declared by our board out of funds legally available for that purpose. After the payment of liquidation preferences to holders of any preferred stock, holders of common stock are entitled to receive, on a pro rata basis, all our

Table of Contents

Index to Financial Statements

remaining assets available for distribution to stockholders in the event of our liquidation, dissolution or winding up. Holders of common stock do not have any preemptive right to become subscribers or purchasers of additional shares of any class of our capital stock. The rights, preferences and privileges of holders of common stock are subject to, and may be injured by, the rights of the holders of shares of any series of preferred stock that we may designate and issue in the future.

Transfer Agent and Registrar

Mellon Investor Services LLC is the transfer agent and registrar for our common stock.

Shareholder Rights

On July 16, 2001, our Board of Directors adopted a shareholder rights plan (the Rights Agreement) and declared a dividend of one preferred stock purchase right (a Right) for each outstanding share common stock to stockholders of record at the close of business on July 17, 2001. Each right only becomes exercisable and transferable apart from the common stock at the earlier of (i) 10 days following a public announcement or disclosure that a person or group of affiliated or associated persons (an Acquiring Person) has acquired, or obtained the right to acquire, beneficial ownership of 15% or more of the outstanding shares of our common stock (the Stock Acquisition Date); or (ii) 10 business days following the commencement of a tender offer or exchange offer that may result in a person, entity or group becoming an Acquiring Person as defined in the Rights Agreement.

Initially, each Right entitles the registered holder to purchase from the Company a unit consisting of one one-hundredth of a share (a Unit) of our Series A Junior Participating Preferred Stock, \$0.01 par value per share, at a purchase price of \$300.00 per Unit. If (i) the Company is the surviving corporation in a merger with an Acquiring Person and its common stock is not changed or exchanged, (ii) a person, entity or group becomes an Acquiring Person (except pursuant to an offer for all outstanding shares of common stock which the Board determines to be fair to, and otherwise in the best interests of, the Company and its stockholders), (iii) an Acquiring Person engages in one or more self-dealing transactions as set forth in the Rights Agreement, or (iv) during such time as there is an Acquiring Person, an event occurs which results in such Acquiring Person's ownership interest being increased by more than 1% (e.g., a reverse stock split), each holder of a Right (other than Rights held by an Acquiring Person) will thereafter have the right to receive, upon exercise, that number of shares of common stock which equals the exercise price of the Right divided by one-half of the current market price of the common stock at the date of the occurrence of the event.

In general, the Company may redeem the Rights in whole, but not in part, at any time until ten days following the Stock Acquisition Date. The Rights will expire at the close of business on July 17, 2011, unless earlier redeemed by the Company in accordance with the Rights Agreement

Delaware Law and Certain Charter and By-Law Provisions

The provisions of Delaware law and of our restated certificate of incorporation, as amended, and restated by-laws discussed below could discourage or make it more difficult to accomplish a proxy contest or other change in our management or the acquisition of control by a holder of a substantial amount of our voting stock. It is possible that these provisions could make it more difficult to accomplish, or could deter, transactions that stockholders may otherwise consider to be in their best interests or the best interests of Myriad Genetics.

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

Delaware Statutory Business Combinations Provision. In general, Section 203 prohibits a publicly-held Delaware corporation from engaging in a business combination with an interested stockholder for a period of three years after the date of the transaction in which the person became an interested stockholder, unless the business combination is, or the transaction in which the person became an interested stockholder was, approved in a prescribed manner or another prescribed exception applies. For purposes of Section 203, a business

Table of Contents

Index to Financial Statements

combination is defined broadly to include a merger, asset sale or other transaction resulting in a financial benefit to the interested stockholder, and, subject to certain exceptions, an interested stockholder is a person who, together with his or her affiliates and associates, owns (or within three years prior, did own) 15% or more of the corporation's voting stock.

Classified Board of Directors. Our board of directors is divided into three classes. Each year our stockholders elect the members of one of the three classes to a three-year term of office. All directors elected to our classified board of directors serve until the election and qualification of their respective successors or their earlier resignation or removal. Only the board of directors is authorized to create new directorships and to fill such positions so created and is permitted to specify the class to which any such new position is assigned. The person filling such position would serve for the term applicable to that class. Only the board of directors (or its remaining members, even if less than a quorum) is empowered to fill vacancies on the board of directors occurring for any reason for the remainder of the term of the class of directors in which the vacancy occurred. Members of the board of directors may only be removed for cause. These provisions are likely to increase the time required for stockholders to change the composition of the board of directors. For example, in general, at least two annual meetings would be necessary for stockholders to effect a change in a majority of the members of the board of directors.

Advance Notice Provisions for Stockholder Proposals and Stockholder Nominations of Directors. Our restated by-laws provide that, for nominations to the board of directors or for other business to be properly brought by a stockholder before a meeting of stockholders, the stockholder must first have given timely notice of the proposal in writing to our Secretary. For an annual meeting, a stockholder's notice generally must be delivered not less than 60 days nor more than 90 days prior to the anniversary of the previous year's annual meeting. For a special meeting, the notice must generally be delivered by not less than 60 days nor more than 90 days prior to the special meeting or ten days following the day on which public announcement of the meeting is first made. Detailed requirements as to the form of the notice and information required in the notice are specified in our restated by-laws. If it is determined that business was not properly brought before a meeting in accordance with our by-law provisions, such business will not be conducted at the meeting.

Special Meetings of Stockholders. Special meetings of the stockholders may be called only by the chairman of our board of directors, the chief executive officer or president with the approval of the executive committee of the board of directors, or the entire board of directors pursuant to a resolution adopted by a majority of the total number of directors.

No Stockholder Action by Written Consent. Our restated certificate of incorporation, as amended, does not permit our stockholders to act by written consent. As a result, any action to be effected by our stockholders must be effected at a duly called annual or special meeting of the stockholders.

Shareholders Rights Plan. We have adopted a shareholder rights plan, as discussed above under the caption Shareholder Rights.

Super-Majority Stockholder Vote Required for Certain Actions. The Delaware General Corporation Law provides generally that the affirmative vote of a majority of the shares entitled to vote on any matter is required to amend a corporation's certificate of incorporation or by-laws, unless the corporation's certificate of incorporation or by-laws, as the case may be, requires a greater percentage. Our restated certificate of incorporation, as amended, requires the affirmative vote of the holders of at least 70% of our outstanding voting stock to amend or repeal any of the provisions discussed in this section of this prospectus entitled Delaware Law and Certain Charter and By-law Provisions. This 70% stockholder vote would be in addition to any separate class vote that might in the future be required pursuant to the terms of any preferred stock that might then be outstanding. A 70% vote will also be required for any amendment to, or repeal of, our restated by-laws by the stockholders. Our restated by-laws may be amended or repealed by a simple majority vote of the board of directors.

Table of Contents

Index to Financial Statements

DESCRIPTION OF PREFERRED STOCK

We are authorized to issue, without stockholder approval, up to 5,000,000 shares of preferred stock, \$0.01 par value per share, having rights senior to those of our common stock. As of November 12, 2001, we did not have any outstanding shares of preferred stock or options to purchase preferred stock. Our board of directors is authorized to issue the preferred stock in one or more series and to fix and designate the rights, preferences, privileges and restrictions of the preferred stock, including:

- dividend rights;
- conversion rights;
- voting rights;
- redemption rights and terms of redemption; and
- liquidation preferences.

Our board may fix the number of shares constituting any series and the designations of these series. The rights, preferences, privileges and restrictions of the preferred stock of each series will be fixed by a certificate of designation relating to each series. The prospectus supplement relating to each series will specify the terms of the preferred stock, including:

- the maximum number of shares in the series and the distinctive designation;
- the terms on which dividends will be paid, if any;
- the terms on which the shares may be redeemed, if at all;
- the liquidation preference, if any;
- the terms of any retirement or sinking fund for the purchase or redemption of the shares of the series;
- the terms and conditions, if any, on which the shares of the series will be convertible into, or exchangeable for, shares of any other class or classes of capital stock;
- the voting rights, if any, on the shares of the series; and

- any or all other preferences and relative, participating, operational or other special rights or qualifications, limitations or restrictions of the shares.

We will describe the specific terms of a particular series of preferred stock in the prospectus supplement relating to that series. The description of preferred stock above and the description of the terms of a particular series of preferred stock in the prospectus supplement are not complete. You should refer to the applicable certificate of designation for complete information. The prospectus supplement will contain a description of U.S. federal income tax consequences relating to the preferred stock.

Our issuance of preferred stock may have the effect of delaying or preventing a change in control. Our issuance of preferred stock could decrease the amount of earnings and assets available for distribution to the holders of common stock or could adversely affect the rights and powers, including voting rights, of the holders of common stock. The issuance of preferred stock could have the effect of decreasing the market price of our common stock.

DESCRIPTION OF THE DEPOSITARY SHARES

At our option, we may elect to offer fractional shares of preferred stock, rather than full shares of preferred stock. If we do elect to offer fractional shares of preferred stock, we will issue to the public receipts for depositary shares and each of these depositary shares will represent a fraction of a share of a particular series of preferred stock, as specified in the applicable prospectus supplement. Each owner of a depositary share will be

Table of Contents

Index to Financial Statements

entitled, in proportion to the applicable fractional interest in shares of preferred stock underlying that depositary share, to all rights and preferences of the preferred stock underlying that depositary share. These rights include dividend, voting, redemption and liquidation rights.

The shares of preferred stock underlying the depositary shares will be deposited with a bank or trust company selected by us to act as depositary, under a deposit agreement between us, the depositary and the holders of the depositary receipts. The depositary will be the transfer agent, registrar and dividend disbursing agent for the depositary shares.

The depositary shares will be evidenced by depositary receipts issued pursuant to the depositary agreement. Holders of depositary receipts agree to be bound by the deposit agreement, which requires holders to take certain actions such as filing proof of residence and paying certain charges.

The summary of terms of the depositary shares contained in this prospectus is not complete. You should refer to the forms of the deposit agreement, our restated certificate of incorporation, as amended, and the certificate of amendment for the applicable series of preferred stock that will be, filed with the Securities and Exchange Commission.

Dividends

The depositary will distribute cash dividends or other cash distributions, if any, received in respect of the series of preferred stock underlying the depositary shares to the record holders of depositary receipts in proportion to the number of depositary shares owned by those holders on the relevant record date. The relevant record date for depositary shares will be the same date as the record date for the preferred stock.

In the event of a distribution other than in cash, the depositary will distribute property received by it to the record holders of depositary receipts that are entitled to receive the distribution, unless the depositary determines that it is not feasible to make the distribution. If this occurs, the depositary, with our approval, may adopt another method for the distribution, including selling the property and distributing the net proceeds to the holders.

Liquidation Preference

If a series of preferred stock underlying the depositary shares has a liquidation preference, in the event of the voluntary or involuntary liquidation, dissolution or winding up of Myriad Genetics, holders of depositary shares will be entitled to receive the fraction of the liquidation preference accorded each share of the applicable series of preferred stock, as set forth in the applicable prospectus supplement.

Redemption

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

If a series of preferred stock underlying the depositary shares is subject to redemption, the depositary shares will be redeemed from the proceeds received by the depositary resulting from the redemption, in whole or in part, of the preferred stock held by the depositary. Whenever we redeem any preferred stock held by the depositary, the depositary will redeem, as of the same redemption date, the number of depositary shares representing the preferred stock so redeemed. The depositary will mail the notice of redemption to the record holders of the depositary receipts promptly upon receiving the notice from us and fewer than 20 or more than 60 days, unless otherwise provided in the applicable prospectus supplement, prior to the date fixed for redemption of the preferred stock.

Voting

Upon receipt of notice of any meeting at which the holders of preferred stock are entitled to vote, the depositary will mail the information contained in the notice of meeting to the record holders of the depositary receipts underlying the preferred stock. Each record holder of those depositary receipts on the record date will be

Table of Contents

Index to Financial Statements

entitled to instruct the depositary as to the exercise of the voting rights pertaining to the amount of preferred stock underlying that holder's depositary shares. The record date for the depositary will be the same date as the record date for the preferred stock. The depositary will try, as far as practicable, to vote the preferred stock underlying the depositary shares in accordance with these instructions. We will agree to take all action which may be deemed necessary by the depositary in order to enable the depositary to vote the preferred stock in accordance with these instructions. The depositary will not vote the preferred stock to the extent that it does not receive specific instructions from the holders of depositary receipts.

Withdrawal of Preferred Stock

Owners of depositary shares will be entitled to receive upon surrender of depositary receipts at the principal office of the depositary:

- the number of whole shares of preferred stock underlying their depositary shares; and
- payment of any unpaid amount due to the depositary.

Partial shares of preferred stock will not be issued. Holders of preferred stock will not be entitled to deposit the shares under the deposit agreement or to receive depositary receipts evidencing depositary shares for the preferred stock.

Amendment and Termination of Deposit Agreement

The form of depositary receipt evidencing the depositary shares and any provision of the deposit agreement may be amended by agreement between us and the depositary. However, any amendment which materially and adversely alters the rights of the holders of depositary shares, other than fee changes, will not be effective unless the amendment has been approved by at least a majority of the outstanding depositary shares. The deposit agreement may be terminated by the depositary or us only if:

- all outstanding depositary shares have been redeemed; or
- there has been a final distribution of the preferred stock in connection with our dissolution and such distribution has been made to all the holders of depositary shares.

Charges of Depositary

We will pay all transfer and other taxes and governmental charges arising solely from the existence of the depositary arrangement. We will also pay charges of the depositary in connection with:

- the initial deposit of the preferred stock,
- the initial issuance of the depositary shares,
- any redemption of the preferred stock; and
- all withdrawals of preferred stock by owners of depositary shares.

Holders of depositary receipts will pay transfer, income and other taxes and governmental charges and other specified charges as provided in the deposit agreement for their accounts. If these charges have not been paid, the depositary may:

- refuse to transfer depositary shares,
- withhold dividends and distributions; and
- sell the depositary shares evidenced by the depositary receipt.

Table of Contents

Index to Financial Statements

Miscellaneous

The depositary will forward to the holders of depositary receipts all reports and communications we deliver to the depositary that we are required to furnish to the holders of the preferred stock. In addition, the depositary will make available for inspection by holders of depositary receipts at the principal office of the depositary, and at such other places as it may from time to time deem advisable, any reports and communications we deliver to the depositary as the holder of preferred stock.

Neither the depositary nor Myriad Genetics will be liable if either the depositary or Myriad Genetics is prevented or delayed by law or any circumstance beyond either the depositary or Myriad Genetics' control in performing their respective obligations under the deposit agreement. Myriad Genetics' obligations and the depositary's obligations will be limited to the performance in good faith of Myriad Genetics or the depositary's respective duties under the deposit agreement. Neither the depositary nor Myriad Genetics will be obligated to prosecute or defend any legal proceeding in respect of any depositary shares or preferred stock unless satisfactory indemnity is furnished. Myriad Genetics and the depositary may rely on:

- written advice of counsel or accountants,
- information provided by holders of depositary receipts or other persons believed in good faith to be competent to give such information; and
- documents believed to be genuine and to have been signed or presented by the proper party or parties.

Resignation and Removal of Depositary

The depositary may resign at any time by delivering a notice to us. We may remove the depositary at any time. Any such resignation or removal will take effect upon the appointment of a successor depositary and its acceptance of such appointment. The successor depositary must be appointed within 60 days after delivery of the notice for resignation or removal. The successor depositary must be a bank and trust company having its principal office in the United States of America and having a combined capital and surplus of at least \$150,000,000.

Federal Income Tax Consequences

Owners of the depositary shares will be treated for Federal income tax purposes as if they were owners of the preferred stock underlying the depositary shares. As a result, owners will be entitled to take into account for Federal income tax purposes and deductions to which they would be entitled if they were holders of such preferred stock. No gain or loss will be recognized for Federal income tax purposes upon the withdrawal of preferred stock in exchange for depositary shares. The tax basis of each share of preferred stock to an exchanging owner of depositary shares will, upon such exchange, be the same as the aggregate tax basis of the depositary shares exchanged. The holding period for preferred stock in the hands of an exchanging owner of depositary shares will include the period during which such person owned such depositary shares.

DESCRIPTION OF DEBT SECURITIES

The following description, together with the additional information we include in any applicable prospectus supplements, summarizes the material terms and provisions of the debt securities that we may offer under this prospectus. While the terms we have summarized below will apply generally to any future debt securities we may offer, we will describe the particular terms of any debt securities that we may offer in more detail in the applicable prospectus supplement. If we indicate in a prospectus supplement, the terms of any debt securities we offer under that prospectus supplement may differ from the terms we describe below.

We will issue the senior notes under the senior indenture which we will enter into with a trustee to be named in the senior indenture. We will issue the subordinated notes under the subordinated indenture which we will

Table of Contents

Index to Financial Statements

enter into with a trustee to be named in the subordinated indenture. We have filed forms of these documents as exhibits to the registration statement which includes this prospectus. We use the term "indentures" to refer to both the senior indenture and the subordinated indenture. The indentures will be qualified under the Trust Indenture Act. We use the term "debenture trustee" to refer to either the senior trustee or the subordinated trustee, as applicable.

The following summaries of material provisions of the senior notes, the subordinated notes and the indentures are subject to, and qualified in their entirety by reference to, all the provisions of the indenture applicable to a particular series of debt securities. Except as we may otherwise indicate, the terms of the senior indenture and the subordinated indenture are identical.

General

We will describe in each prospectus supplement the following terms relating to a series of notes:

- the title;
- any limit on the amount that may be issued;
- whether or not we will issue the series of notes in global form, the terms and who the depositary will be;
- the maturity date;
- the annual interest rate, which may be fixed or variable, or the method for determining the rate and the date interest will begin to accrue, the dates interest will be payable and the regular record dates for interest payment dates or the method for determining such dates;
- whether or not the notes will be secured or unsecured, and the terms of any secured debt;
- the terms of the subordination of any series of subordinated debt;
- the place where payments will be payable;
- our right, if any, to defer payment of interest and the maximum length of any such deferral period;
- the date, if any, after which, and the price at which, we may, at our option, redeem the series of notes pursuant to any optional redemption provisions;

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

- the date, if any, on which, and the price at which we are obligated, pursuant to any mandatory sinking fund provisions or otherwise, to redeem, or at the holder's option to purchase, the series of notes;
- whether the indenture will restrict our ability to pay dividends, or will require us to maintain any asset ratios or reserves;
- whether we will be restricted from incurring any additional indebtedness;
- a discussion on any material or special United States federal income tax considerations applicable to the notes;
- the denominations in which we will issue the series of notes, if other than denominations of \$1,000 and any integral multiple thereof; and
- any other specific terms, preferences, rights or limitations of, or restrictions on, the debt securities.

Conversion or Exchange Rights

We will set forth in the prospectus supplement the terms on which a series of notes may be convertible into or exchangeable for our common stock or other securities of ours. We will include provisions as to whether conversion or exchange is mandatory, at the option of the holder or at our option. We may include provisions pursuant to which the number of shares of our common stock or other securities of ours that the holders of the series of notes receive would be subject to adjustment.

Table of Contents

Index to Financial Statements

Consolidation, Merger or Sale

The indentures do not contain any covenant which restricts our ability to merge or consolidate, or sell, convey, transfer or otherwise dispose of all or substantially all of our assets. However, any successor to or acquirer of such assets must assume all of our obligations under the indentures or the notes, as appropriate.

Events of Default Under the Indenture

The following are events of default under the indentures with respect to any series of notes that we may issue:

- if we fail to pay interest when due and our failure continues for 90 days and the time for payment has not been extended or deferred;
- if we fail to pay the principal, or premium, if any, when due and the time for payment has not been extended or delayed;
- if we fail to observe or perform any other covenant contained in the notes or the indentures, other than a covenant specifically relating to another series of notes, and our failure continues for 90 days after we receive notice from the debenture trustee or holders of at least 25% in aggregate principal amount of the outstanding notes of the applicable series; and
- if specified events of bankruptcy, insolvency or reorganization occur as to us.

If an event of default with respect to notes of any series occurs and is continuing, the debenture trustee or the holders of at least 25% in aggregate principal amount of the outstanding notes of that series, by notice to us in writing, and to the debenture trustee if notice is given by such holders, may declare the unpaid principal of, premium, if any, and accrued interest, if any, due and payable immediately.

The holders of a majority in principal amount of the outstanding notes of an affected series may waive any default or event of default with respect to the series and its consequences, except defaults or events of default regarding payment of principal, premium, if any, or interest, unless we have cured the default or event of default in accordance with the indenture. Any waiver shall cure the default or event of default.

Subject to the terms of the indentures, if an event of default under an indenture shall occur and be continuing, the debenture trustee will be under no obligation to exercise any of its rights or powers under such indenture at the request or direction of any of the holders of the applicable series of notes, unless such holders have offered the debenture trustee reasonable indemnity. The holders of a majority in principal amount of the outstanding notes of any series will have the right to direct the time, method and place of conducting any proceeding for any remedy available to the debenture trustee, or exercising any trust or power conferred on the debenture trustee, with respect to the notes of that series, provided that:

- the direction so given by the holder is not in conflict with any law or the applicable indenture; and

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

- subject to its duties under the Trust Indenture Act, the debenture trustee need not take any action that might involve it in personal liability or might be unduly prejudicial to the holders not involved in the proceeding.

A holder of the notes of any series will only have the right to institute a proceeding under the indentures or to appoint a receiver or trustee, or to seek other remedies if:

- the holder has given written notice to the debenture trustee of a continuing event of default with respect to that series;
- the holders of at least 25% in aggregate principal amount of the outstanding notes of that series have made written request, and such holders have offered reasonable indemnity to the debenture trustee to institute the proceeding as trustee; and

Table of Contents

Index to Financial Statements

- the debenture trustee does not institute the proceeding, and does not receive from the holders of a majority in aggregate principal amount of the outstanding notes of that series other conflicting directions within 60 days after the notice, request and offer.

These limitations do not apply to a suit instituted by a holder of notes if we default in the payment of the principal, premium, if any, or interest on, the notes.

We will periodically file statements with the debenture trustee regarding our compliance with specified covenants in the indentures.

Modification of Indenture; Waiver

We and the debenture trustee may change an indenture without the consent of any holders with respect to specific matters, including:

- to fix any ambiguity, defect or inconsistency in the indenture; and
- to change anything that does not materially adversely affect the interests of any holder of notes of any series.

In addition, under the indentures, the rights of holders of a series of notes may be changed by us and the debenture trustee with the written consent of the holders of at least a majority in aggregate principal amount of the outstanding notes of each series that is affected. However, we and the debenture trustee may only make the following changes with the consent of each holder of any outstanding notes affected:

- extending the fixed maturity of the series of notes;
- reducing the principal amount, reducing the rate of or extending the time of payment of interest, or any premium payable upon the redemption of any notes; or
- reducing the percentage of notes, the holders of which are required to consent to any amendment.

Discharge

Each indenture provides that we can elect to be discharged from our obligations with respect to one or more series of debt securities, except for obligations to:

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

- register the transfer or exchange of debt securities of the series;
- replace stolen, lost or mutilated debt securities of the series;
- maintain paying agencies;
- hold monies for payment in trust;
- compensate and indemnify the trustee; and
- appoint any successor trustee.

In order to exercise our rights to be discharged, we must deposit with the trustee money or government obligations sufficient to pay all the principal of, any premium, if any, and interest on, the debt securities of the series on the dates payments are due.

Form, Exchange, and Transfer

We will issue the notes of each series only in fully registered form without coupons and, unless we otherwise specify in the applicable prospectus supplement, in denominations of \$1,000 and any integral multiple

Table of Contents

Index to Financial Statements

thereof. The indentures provide that we may issue notes of a series in temporary or permanent global form and as book-entry securities that will be deposited with, or on behalf of, The Depository Trust Company or another depository named by us and identified in a prospectus supplement with respect to that series. See Legal Ownership of Securities for a further description of the terms relating to any book-entry securities.

At the option of the holder, subject to the terms of the indentures and the limitations applicable to global securities described in the applicable prospectus supplement, the holder of the notes of any series can exchange the notes for other notes of the same series, in any authorized denomination and of like tenor and aggregate principal amount.

Subject to the terms of the indentures and the limitations applicable to global securities set forth in the applicable prospectus supplement, holders of the notes may present the notes for exchange or for registration of transfer, duly endorsed or with the form of transfer endorsed thereon duly executed if so required by us or the security registrar, at the office of the security registrar or at the office of any transfer agent designated by us for this purpose. Unless otherwise provided in the notes that the holder presents for transfer or exchange, we will make no service charge for any registration of transfer or exchange, but we may require payment of any taxes or other governmental charges.

We will name in the applicable prospectus supplement the security registrar, and any transfer agent in addition to the security registrar, that we initially designate for any notes. We may at any time designate additional transfer agents or rescind the designation of any transfer agent or approve a change in the office through which any transfer agent acts, except that we will be required to maintain a transfer agent in each place of payment for the notes of each series.

If we elect to redeem the notes of any series, we will not be required to:

- issue, register the transfer of, or exchange any notes of that series during a period beginning at the opening of business 15 days before the day of mailing of a notice of redemption of any notes that may be selected for redemption and ending at the close of business on the day of the mailing; or
- register the transfer of or exchange any notes so selected for redemption, in whole or in part, except the unredeemed portion of any notes we are redeeming in part.

Information Concerning the Debenture Trustee

The debenture trustee, other than during the occurrence and continuance of an event of default under an indenture, undertakes to perform only those duties as are specifically set forth in the applicable indenture. Upon an event of default under an indenture, the debenture trustee must use the same degree of care as a prudent person would exercise or use in the conduct of his or her own affairs. Subject to this provision, the debenture trustee is under no obligation to exercise any of the powers given it by the indentures at the request of any holder of notes unless it is offered reasonable security and indemnity against the costs, expenses and liabilities that it might incur.

Payment and Paying Agents

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

Unless we otherwise indicate in the applicable prospectus supplement, we will make payment of the interest on any notes on any interest payment date to the person in whose name the notes, or one or more predecessor securities, are registered at the close of business on the regular record date for the interest.

We will pay principal of and any premium and interest on the notes of a particular series at the office of the paying agents designated by us, except that unless we otherwise indicate in the applicable prospectus supplement, will we make interest payments by check which we will mail to the holder. Unless we otherwise indicate in a prospectus supplement, we will designate the corporate trust office of the debenture trustee in the City of

Table of Contents

Index to Financial Statements

New York as our sole paying agent for payments with respect to notes of each series. We will name in the applicable prospectus supplement any other paying agents that we initially designate for the notes of a particular series. We will maintain a paying agent in each place of payment for the notes of a particular series.

All money we pay to a paying agent or the debenture trustee for the payment of the principal of or any premium or interest on any notes which remains unclaimed at the end of two years after such principal, premium or interest has become due and payable will be repaid to us, and the holder of the security thereafter may look only to us for payment thereof.

Governing Law

The indentures and the notes will be governed by and construed in accordance with the laws of the State of New York, except to the extent that the Trust Indenture Act is applicable.

Subordination of Subordinated Notes

The subordinated notes will be unsecured and will be subordinate and junior in priority of payment to certain of our other indebtedness to the extent described in a prospectus supplement. The subordinated indenture does not limit the amount of subordinated notes which we may issue. It also does not limit us from issuing any other secured or unsecured debt.

DESCRIPTION OF WARRANTS

The following description, together with the additional information we may include in any applicable prospectus supplements, summarizes the material terms and provisions of the warrants that we may offer under this prospectus and the related warrant agreements and warrant certificates. While the terms summarized below will apply generally to any warrants that we may offer, we will describe the particular terms of any series of warrants in more detail in the applicable prospectus supplement. If we indicate in the prospectus supplement, the terms of any warrants offered under that prospectus supplement may differ from the terms described below. Specific warrant agreements will contain additional important terms and provisions and will be incorporated by reference as an exhibit to the registration statement which includes this prospectus.

General

We may issue warrants for the purchase of common stock, preferred stock and/or debt securities in one or more series. We may issue warrants independently or together with common stock, preferred stock and/or debt securities, and the warrants may be attached to or separate from these securities.

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

We will evidence each series of warrants by warrant certificates that we will issue under a separate agreement. We will enter into the warrant agreement with a warrant agent. Each warrant agent will be a bank that we select which has its principal office in the United States and a combined capital and surplus of at least \$50,000,000. We will indicate the name and address of the warrant agent in the applicable prospectus supplement relating to a particular series of warrants.

We will describe in the applicable prospectus supplement the terms of the series of warrants, including:

- the offering price and aggregate number of warrants offered;
- the currency for which the warrants may be purchased;
- if applicable, the designation and terms of the securities with which the warrants are issued and the number of warrants issued with each such security or each principal amount of such security;

Table of Contents

Index to Financial Statements

- if applicable, the date on and after which the warrants and the related securities will be separately transferable;
- in the case of warrants to purchase debt securities, the principal amount of debt securities purchasable upon exercise of one warrant and the price at, and currency in which, this principal amount of debt securities may be purchased upon such exercise;
- in the case of warrants to purchase common stock or preferred stock, the number of shares of common stock or preferred stock, as the case may be, purchasable upon the exercise of one warrant and the price at which these shares may be purchased upon such exercise;
- the effect of any merger, consolidation, sale or other disposition of our business on the warrant agreement and the warrants;
- the terms of any rights to redeem or call the warrants;
- any provisions for changes to or adjustments in the exercise price or number of securities issuable upon exercise of the warrants;
- the dates on which the right to exercise the warrants will commence and expire;
- the manner in which the warrant agreement and warrants may be modified;
- federal income tax consequences of holding or exercising the warrants;
- the terms of the securities issuable upon exercise of the warrants; and
- any other specific terms, preferences, rights or limitations of or restrictions on the warrants.

Before exercising their warrants, holders of warrants will not have any of the rights of holders of the securities purchasable upon such exercise, including:

- in the case of warrants to purchase debt securities, the right to receive payments of principal of, or premium, if any, or interest on, the debt securities purchasable upon exercise or to enforce covenants in the applicable indenture; or
- in the case of warrants to purchase common stock or preferred stock, the right to receive dividends, if any, or, payments upon our liquidation, dissolution or winding up or to exercise voting rights, if any.

Exercise of Warrants

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

Each warrant will entitle the holder to purchase the securities that we specify in the applicable prospectus supplement at the exercise price that we describe in the applicable prospectus supplement. Unless we otherwise specify in the applicable prospectus supplement, holders of the warrants may exercise the warrants at any time up to 5:00 P.M. Salt Lake City, Utah time on the expiration date that we set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised warrants will become void.

Holders of the warrants may exercise the warrants by delivering the warrant certificate representing the warrants to be exercised together with specified information, and paying the required amount to the warrant agent in immediately available funds, as provided in the applicable prospectus supplement. We will set forth on the reverse side of the warrant certificate and in the applicable prospectus supplement the information that the holder of the warrant will be required to deliver to the warrant agent.

Upon receipt of the required payment and the warrant certificate properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement, we will issue and deliver the securities purchasable upon such exercise. If fewer than all of the warrants represented by the warrant certificate are exercised, then we will issue a new warrant certificate for the remaining amount of warrants. If we so indicate in the applicable prospectus supplement, holders of the warrants may surrender securities as all or part of the exercise price for warrants.

Table of Contents

Index to Financial Statements

Enforceability of Rights By Holders of Warrants

Each warrant agent will act solely as our agent under the applicable warrant agreement and will not assume any obligation or relationship of agency or trust with any holder of any warrant. A single bank or trust company may act as warrant agent for more than one issue of warrants. A warrant agent will have no duty or responsibility in case of any default by us under the applicable warrant agreement or warrant, including any duty or responsibility to initiate any proceedings at law or otherwise, or to make any demand upon us. Any holder of a warrant may, without the consent of the related warrant agent or the holder of any other warrant, enforce by appropriate legal action its right to exercise, and receive the securities purchasable upon exercise of, its warrants.

LEGAL OWNERSHIP OF SECURITIES

We can issue securities in registered form or in the form of one or more global securities. We describe global securities in greater detail below. We refer to those persons who have securities registered in their own names on the books that we or any applicable trustee maintain for this purpose as the holders of those securities. These persons are the legal holders of the securities. We refer to those persons who, indirectly through others, own beneficial interests in securities that are not registered in their own names, as indirect holders of those securities. As we discuss below, indirect holders are not legal holders, and investors in securities issued in book-entry form or in street name will be indirect holders.

Book-Entry Holders

We may issue securities in book-entry form only, as we will specify in the applicable prospectus supplement. This means securities may be represented by one or more global securities registered in the name of a financial institution that holds them as depositary on behalf of other financial institutions that participate in the depositary's book-entry system. These participating institutions, which are referred to as participants, in turn, hold beneficial interests in the securities on behalf of themselves or their customers.

Only the person in whose name a security is registered is recognized as the holder of that security. Securities issued in global form will be registered in the name of the depositary or its participants. Consequently, for securities issued in global form, we will recognize only the depositary as the holder of the securities, and we will make all payments on the securities to the depositary. The depositary passes along the payments it receives to its participants, which in turn pass the payments along to their customers who are the beneficial owners. The depositary and its participants do so under agreements they have made with one another or with their customers; they are not obligated to do so under the terms of the securities.

As a result, investors in a book-entry security will not own securities directly. Instead, they will own beneficial interests in a global security, through a bank, broker or other financial institution that participates in the depositary's book-entry system or holds an interest through a participant. As long as the securities are issued in global form, investors will be indirect holders, and not holders, of the securities.

Street Name Holders

We may terminate a global security or issue securities in non-global form. In these cases, investors may choose to hold their securities in their own names or in street name. Securities held by an investor in street name would be registered in the name of a bank, broker or other financial institution that the investor chooses, and the investor would hold only a beneficial interest in those securities through an account he or she maintains at that institution.

For securities held in street name, we will recognize only the intermediary banks, brokers and other financial institutions in whose names the securities are registered as the holders of those securities, and we will make all payments on those securities to them. These institutions pass along the payments they receive to their

Table of Contents

Index to Financial Statements

customers who are the beneficial owners, but only because they agree to do so in their customer agreements or because they are legally required to do so. Investors who hold securities in street name will be indirect holders, not holders, of those securities.

Legal Holders

Our obligations, as well as the obligations of any applicable trustee and of any third parties employed by us or a trustee, run only to the legal holders of the securities. We do not have obligations to investors who hold beneficial interests in global securities, in street name or by any other indirect means. This will be the case whether an investor chooses to be an indirect holder of a security or has no choice because we are issuing the securities only in global form.

For example, once we make a payment or give a notice to the holder, we have no further responsibility for the payment or notice even if that holder is required, under agreements with depositary participants or customers or by law, to pass it along to the indirect holders but does not do so. Similarly, we may want to obtain the approval of the holders to amend an indenture, to relieve us of the consequences of a default or of our obligation to comply with a particular provision of the indenture or for other purposes. In such an event, we would seek approval only from the holders, and not the indirect holders, of the securities. Whether and how the holders contact the indirect holders is up to the holders.

Special Considerations for Indirect Holders

If you hold securities through a bank, broker or other financial institution, either in book-entry form or in street name, you should check with your own institution to find out:

- how it handles securities payments and notices;
- whether it imposes fees or charges;
- how it would handle a request for the holders' consent, if ever required;
- whether and how you can instruct it to send you securities registered in your own name so you can be a holder, if that is permitted in the future;
- how it would exercise rights under the securities if there were a default or other event triggering the need for holders to act to protect their interests; and
- if the securities are in book-entry form, how the depositary's rules and procedures will affect these matters.

Global Securities

A global security is a security held by a depository which represents one or any other number of individual securities. Generally, all securities represented by the same global securities will have the same terms.

Each security issued in book-entry form will be represented by a global security that we deposit with and register in the name of a financial institution or its nominee that we select. The financial institution that we select for this purpose is called the depository. Unless we specify otherwise in the applicable prospectus supplement, The Depository Trust Company, New York, New York, known as DTC, will be the depository for all securities issued in book-entry form.

A global security may not be transferred to or registered in the name of anyone other than the depository, its nominee or a successor depository, unless special termination situations arise. We describe those situations below under **Special Situations When a Global Security Will Be Terminated**. As a result of these arrangements, the depository, or its nominee, will be the sole registered owner and holder of all securities represented by a global

Table of Contents

Index to Financial Statements

security, and investors will be permitted to own only beneficial interests in a global security. Beneficial interests must be held by means of an account with a broker, bank or other financial institution that in turn has an account with the depository or with another institution that does. Thus, an investor whose security is represented by a global security will not be a holder of the security, but only an indirect holder of a beneficial interest in the global security.

If the prospectus supplement for a particular security indicates that the security will be issued in global form only, then the security will be represented by a global security at all times unless and until the global security is terminated. If termination occurs, we may issue the securities through another book-entry clearing system or decide that the securities may no longer be held through any book-entry clearing system.

Special Considerations for Global Securities

As an indirect holder, an investor's rights relating to a global security will be governed by the account rules of the investor's financial institution and of the depository, as well as general laws relating to securities transfers. We do not recognize an indirect holder as a holder of securities and instead deal only with the depository that holds the global security.

If securities are issued only in the form of a global security, an investor should be aware of the following:

- An investor cannot cause the securities to be registered in his or her name, and cannot obtain non-global certificates for his or her interest in the securities, except in the special situations we describe below;
- An investor will be an indirect holder and must look to his or her own bank or broker for payments on the securities and protection of his or her legal rights relating to the securities, as we describe under "Legal Ownership of Securities" above;
- An investor may not be able to sell interests in the securities to some insurance companies and to other institutions that are required by law to own their securities in non-book-entry form;
- An investor may not be able to pledge his or her interest in a global security in circumstances where certificates representing the securities must be delivered to the lender or other beneficiary of the pledge in order for the pledge to be effective;
- The depository's policies, which may change from time to time, will govern payments, transfers, exchanges and other matters relating to an investor's interest in a global security. We and any applicable trustee have no responsibility for any aspect of the depository's actions or for its records of ownership interests in a global security. We and the trustee also do not supervise the depository in any way;
- The depository may, and we understand that DTC will, require that those who purchase and sell interests in a global security within its book-entry system use immediately available funds, and your broker or bank may require you to do so as well; and
-

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

Financial institutions that participate in the depository's book-entry system, and through which an investor holds its interest in a global security, may also have their own policies affecting payments, notices and other matters relating to the securities. There may be more than one financial intermediary in the chain of ownership for an investor. We do not monitor and are not responsible for the actions of any of those intermediaries.

Special Situations When a Global Security Will be Terminated

In a few special situations described below, the global security will terminate and interests in it will be exchanged for physical certificates representing those interests. After that exchange, the choice of whether to hold securities directly or in street name will be up to the investor. Investors must consult their own banks or

Table of Contents

Index to Financial Statements

brokers to find out how to have their interests in securities transferred to their own name, so that they will be direct holders. We have described the rights of holders and street name investors above.

The global security will terminate when the following special situations occur:

- if the depositary notifies us that it is unwilling, unable or no longer qualified to continue as depositary for that global security and we do not appoint another institution to act as depositary within 90 days;
- if we notify any applicable trustee that we wish to terminate that global security; or
- if an event of default has occurred with regard to securities represented by that global security and has not been cured or waived.

The prospectus supplement may also list additional situations for terminating a global security that would apply only to the particular series of securities covered by the prospectus supplement. When a global security terminates, the depositary, and not we or any applicable trustee, is responsible for deciding the names of the institutions that will be the initial direct holders.

PLAN OF DISTRIBUTION

We may sell the securities being offered hereby in one or more of the following ways from time to time:

- through dealers or agents to the public or to investors;
- to underwriters for resale to the public or to investors;
- directly to investors; or
- through a combination of such methods.

We may determine the price or other terms of the securities offered under this prospectus by use of an electronic auction. We will describe how any auction will determine the price or other terms, how potential investors may participate in the auction and the nature of the underwriter's obligations in the related supplement to this prospectus.

We will set forth in a prospectus supplement the terms of the offering of securities, including:

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

- the name or names of any agents, dealers or underwriters;
- the purchase price of the securities being offered and the proceeds we will receive from the sale;
- any over-allotment options under which underwriters may purchase additional securities from us;
- any agency fees or underwriting discounts and other items constituting agents or underwriters compensation;
- any initial public offering price;
- any discounts or concessions allowed or reallocated or paid to dealers; and
- any securities exchanges on which such securities may be listed.

Underwriters, dealers and agents that participate in the distribution of the securities may be deemed to be underwriters as defined in the Securities Act and any discounts or commissions they receive from us and any profit on their resale of the securities may be treated as underwriting discounts and commissions under the Securities Act. We will identify in the applicable prospectus supplement any underwriters, dealers or agents and will describe their compensation. We may have agreements with the underwriters, dealers and agents to

Table of Contents

Index to Financial Statements

indemnify them against specified civil liabilities, including liabilities under the Securities Act. Underwriters, dealers and agents may engage in transactions with or perform services for us or our subsidiaries in the ordinary course of their businesses.

Certain persons that participate in the distribution of the securities may engage in transactions that stabilize, maintain or otherwise affect the price of the securities, including over-allotment, stabilizing and short-covering transactions in such securities, and the imposition of penalty bids, in connection with an offering. Certain persons may also engage in passive market making transactions as permitted by Rule 103 of Regulation M. Passive market makers must comply with applicable volume and price limitations and must be identified as passive market makers. In general, a passive market maker must display its bid at a price not in excess of the highest independent bid for such security; if all independent bids are lowered below the passive market maker's bid, however, the passive market maker's bid must then be lowered when certain purchase limits are exceeded.

LEGAL MATTERS

Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., Boston, Massachusetts, will provide us with an opinion as to the legal matters in connection with the securities we are offering. Members of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. and certain members of their families and trusts for their benefit own an aggregate of approximately 2,000 shares of common stock of the Company.

EXPERTS

The consolidated financial statements of Myriad Genetics, Inc. as of June 30, 2001 and 2000 and for each of the years in the three-year period ended June 30, 2001 have been incorporated by reference herein and in the registration statement in reliance upon the report of KPMG LLP, independent certified public accountants, incorporated by reference herein, and upon the authority of said firm, as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We are a public company and file annual, quarterly and special reports, proxy statements and other information with the Securities and Exchange Commission. You may read and copy any document we file at the SEC's Public Reference Room at 450 Fifth Street, N.W., Washington, D.C. 20549. You can request copies of these documents by writing to the SEC and paying a fee for the copying cost. Please call the SEC at 1-800-SEC-0330 for more information about the operation of the public reference room. Our SEC filings are also available to the public at the SEC's web site at <http://www.sec.gov>. In addition, our stock is listed for trading on the Nasdaq National Market. You can read and copy reports and other information concerning us at the offices of the National Association of Securities Dealers, Inc. located at 1735 K Street, Washington, D.C. 20006.

This prospectus is only part of a Registration Statement on Form S-3 that we have filed with the SEC under the Securities Act of 1933 and therefore omits certain information contained in the Registration Statement. We have also filed exhibits and schedules with the Registration Statement that are excluded from this prospectus, and you should refer to the applicable exhibit or schedule for a complete description of any statement referring to any contract or other document. You may:

Edgar Filing: MYRIAD GENETICS INC - Form 424B5

- inspect a copy of the Registration Statement, including the exhibits and schedules, without charge at the public reference room,
- obtain a copy from the SEC upon payment of the fees prescribed by the SEC, or
- obtain a copy from the SEC web site.

Table of Contents

Index to Financial Statements

INCORPORATION OF DOCUMENTS BY REFERENCE

The SEC allows us to incorporate by reference the information we file with it, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is considered to be part of this prospectus and information we file later with the SEC will automatically update and supersede this information. We incorporate by reference the documents listed below and any future filings made with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934. The documents we are incorporating by reference as of their respective dates of filing are:

- (a) The Company's Annual Report on Form 10-K for the year ended June 30, 2001, filed on September 28, 2001.
- (b) The Company's Definitive Proxy Statement, filed on October 11, 2001.
- (c) The description of the Common Stock contained in the Company's Registration Statement on Form 8-A (File No. 0-26642) filed on August 17, 1995 under the Securities Exchange Act of 1934, including any amendment or report filed for the purpose of updating such description.
- (d) The description of the Preferred Share Purchase Rights contained in the Company's Registration Statement on Form 8-A (File No. 0-26642) filed on July 18, 2001 under the Securities Exchange Act of 1934, including any amendment or report filed for the purpose of updating such description.
- (e) The Company's Current Report on Form 8-K filed July 18, 2001.
- (f) The Company's Current Report on Form 8-K filed November 13, 2001.
- (g) The Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2001, filed on November 14, 2001.

You may request, orally or in writing, a copy of these documents, which will be provided to you at no cost, by contacting: Investor Relations, Myriad Genetics, Inc., 320 Wakara Way, Salt Lake City, Utah 84108. Our telephone number is (801) 584-3600.

Table of Contents

Index to Financial Statements