

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

FORM S-3  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933

**Bluejay Diagnostics, Inc.**  
(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**47-3552922**  
(I.R.S. Employer  
Identification Number)

**360 Massachusetts Avenue, Suite 203**  
**Acton, MA 01720**  
**(844) 327-7078**  
(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

**Neil Dey**  
**Bluejay Diagnostics, Inc.**  
**360 Massachusetts Avenue, Suite 203**  
**Acton, MA 01720**  
**(844) 327-7078**  
(Name, address, including zip code, and telephone number, including area code, of agent for service)

*Copies to:*

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

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

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

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

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

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

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input checked="" type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

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## ABOUT THIS PROSPECTUS

This prospectus relates to the resale by the Selling Stockholders identified in this prospectus under the caption “Selling Stockholders,” from time to time, of up to 6,930,000 shares of our common stock, par value \$0.0001 per share. We are not selling any shares of our common stock under this prospectus, and we will not receive any proceeds from the sale of the Shares offered by the Selling Stockholders hereunder. We will, however, receive the net proceeds of any Warrants exercised for cash.

This prospectus is part of a registration statement on Form S-3 that we have filed with the Securities and Exchange Commission, or the SEC. Under this registration statement, the Selling Stockholders may sell from time to time in one or more offerings the common stock described in this prospectus. This prospectus omits some of the information contained in the registration statement, and reference is made to the full registration statement for further information with regard to us and the securities being offered by the Selling Stockholders. Any statement contained in the prospectus concerning the provisions of any document filed as an exhibit to the registration statement or otherwise with the SEC is not necessarily complete, and in each instance, reference is made to the document filed. You should review the complete document to evaluate such statements.

You should carefully read this prospectus, any documents that we incorporate by reference in this prospectus and the information below under the captions “Where You Can Find More Information” and “Incorporation of Documents By Reference” before making an investment decision. You should rely only on the information contained or incorporated by reference in this prospectus, or documents to which we otherwise refer you. In addition, this prospectus contains summaries of certain provisions contained in some of the documents described herein, but reference is made to the actual documents for complete information. We have not authorized any person to provide you with different information. If anyone provides you with additional, different, or inconsistent information, you should not rely on it. This prospectus is not an offer to sell these securities, and it is not soliciting an offer to buy these securities, in any jurisdiction where the offer or sale is not permitted.

This prospectus includes important information about us, the securities being offered and other information you should know before investing in our securities. You should not assume that the information contained in this prospectus is accurate on any date subsequent to the date set forth on the front cover of this prospectus, even though this prospectus is delivered or securities are sold or otherwise disposed of on a later date. It is important for you to read and consider all information contained in this prospectus in making your investment decision. All of the summaries in this prospectus are qualified in their entirety by the actual documents. Copies of some of the documents referred to herein have been filed, will be filed or will be incorporated by reference as exhibits to the registration statement of which this prospectus is a part, and you may obtain copies of those documents as described below under the heading “Where You Can Find Additional Information.”

We have not authorized anyone to provide any information or to make any representations other than those contained or incorporated by reference in this prospectus or in any free writing prospectuses prepared by or on behalf of us or to which we have referred you. We take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. The information contained in this prospectus or incorporated by reference in this prospectus or contained in any applicable free writing prospectus is current only as of its date, regardless of its time of delivery or any sale of our securities. Our business, financial condition, results of operations and prospects may have changed since that date.

For investors outside the United States: We have not done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. Persons outside the United States who come into possession of this prospectus must inform themselves about, and observe any restrictions relating to, the offering of the securities and the distribution of this prospectus outside the United States.

**This prospectus is an offer to sell only the securities offered hereby, and only under circumstances and in jurisdictions where it is lawful to do so. We are not, and the underwriter is not, making an offer to sell these securities in any state or jurisdiction where the offer or sale is not permitted.**

## **Industry and Market Data**

This prospectus and the documents incorporated by reference contain estimates, projections and other information concerning our industry, our business, the science of our products and the markets for our products, including data regarding the incidence of certain medical conditions and the scientific basis of our products. We obtained the industry, science, market and similar data set forth in this prospectus from our internal estimates and research and from academic and industry research, publications, surveys, and studies conducted by third parties. While we believe that these industry publications and third-party research, surveys and studies are reliable, we have not independently verified such data and we do not make any representation as to the accuracy of the information. The content of the above sources, except to the extent specifically set forth in this prospectus, does not constitute a portion of this prospectus and is not incorporated herein. Information that is based on estimates, forecasts, projections, market research, scientific research, or similar methodologies is inherently subject to uncertainties and actual events or circumstances may differ materially from events and circumstances that are assumed in this information.

## **Note Regarding Trademarks**

Unless the context otherwise requires, references in this prospectus to “Bluejay,” “the Company,” “we,” “us” and “our” refer to Bluejay Diagnostics, Inc. Our logo and all product names are our common law trademarks. Solely for convenience, trademarks and tradenames referred to in this prospectus may appear without the ® or ™ symbols, but such references are not intended to indicate in any way that we will not assert, to the fullest extent under applicable law, our rights, or that the applicable owner will not assert its rights, to these trademarks and tradenames. We do not intend the use or display of other companies’ trademarks and trade names to imply a relationship with, or endorsement or sponsorship of us by, any other companies, products or services.

## **Basis of Presentation**

On November 15, 2024, we filed a certificate of amendment to our restated certificate of incorporation with the Secretary of State of the State of Delaware to effect a 1-for-50 reverse stock split of our issued and outstanding shares of common stock, par value \$0.0001 per share (the “November 2024 Reverse Stock Split”), which became effective on November 18, 2024. All historical share and per share amounts reflected throughout this prospectus have been adjusted to reflect the November 2024 Reverse Stock Split. However, our periodic and current reports, and all other documents incorporated by reference into this prospectus that were filed prior to November 18, 2024, do not give effect to the November 2024 Reverse Stock Split.

On June 17, 2024, we filed a certificate of amendment to our restated certificate of incorporation with the Secretary of State of the State of Delaware to effect a 1-for-8 reverse stock split of our issued and outstanding shares of common stock, par value \$0.0001 per share (the “June 2024 Reverse Stock Split”), which became effective on June 20, 2024. All historical share and per share amounts reflected throughout this prospectus have been adjusted to reflect the June 2024 Reverse Stock Split. However, our periodic and current reports, and all other documents incorporated by reference into this prospectus that were filed prior to June 20, 2024, do not give effect to the June 2024 Reverse Stock Split.

On July 21, 2023, we filed a certificate of amendment to our restated certificate of incorporation with the Secretary of State of the State of Delaware to effect a 1-for-20 reverse stock split of our issued and outstanding shares of common stock, par value \$0.0001 per share (the “2023 Reverse Stock Split”), which became effective on July 24, 2023. All historical share and per share amounts reflected throughout this prospectus have been adjusted to reflect the 2023 Reverse Stock Split. However, our periodic and current reports, and all other documents incorporated by reference into this prospectus that were filed prior to July 24, 2023, do not give effect to the 2023 Reverse Stock Split.

## PROSPECTUS SUMMARY

*This summary highlights information contained in other parts of this prospectus and in the documents we incorporate by reference. Because it is only a summary, it does not contain all of the information that you should consider before investing in our securities and it is qualified in its entirety by, and should be read in conjunction with, the more detailed information appearing elsewhere in this prospectus, any applicable free writing prospectus and the documents incorporated by reference herein and therein. You should read all such documents carefully, especially the risk factors and our consolidated financial statements and the related notes included or incorporated by reference herein or therein, before deciding to buy shares of our common stock.*

### Overview

We are a medical diagnostics company focused on improving patient outcomes in critical care settings. We are working on developing rapid, near-patient tests using whole blood on our Symphony technology platform (“Symphony”), which consists of an analyzer and single-use protein detection cartridges. We do not yet have regulatory clearance for Symphony, and we will need to receive regulatory authorization from the U.S. Food and Drug Administration (the “FDA”) before Symphony can be marketed as a diagnostic product in the United States. We have completed the pre-clinical development of the Symphony analyzer. We are redeveloping the manufacturing processes of cartridges through a third-party contractor who is managing such redevelopment. Such redevelopment is intended to address manufacturing challenges to bring Symphony to a level consistent with necessary performance and quality requirements. After redevelopment, we plan to have manufacturing of the Symphony cartridges occur at a Contract Manufacturing Organization (“CMO”). To achieve our plan, we expect to need to raise at least \$20 million of additional capital between the date of this prospectus and the end of the 2027 fiscal year, which we hope to do in various tranches during this time period. Our current plan, subject to achieving necessary financing, is to begin testing of samples we are collecting as part of our ongoing SYMON-II clinical trial by the end of 2026, with a goal of being in position to submit a 510(k) regulatory application to the FDA in 2027, with an objective of achieving FDA clearance thereafter.

Our Symphony platform is a combination of Bluejay’s intellectual property (“IP”) and exclusively licensed and patented IP on the Symphony technology that we believe, if cleared, authorized, or approved by the FDA, can provide a solution to a significant market need. The Symphony device candidate is designed to produce laboratory-quality results in 20 minutes in critical care settings, including Intensive Care Units (“ICUs”) and Emergency Rooms (“ERs”), where rapid and reliable results are required.

Our first product candidate, the Symphony IL-6 test, is an immunoassay for the measurement of interleukin-6 (IL-6) to be used for the monitoring of disease progression in critical care settings. We are currently focused on pursuing the Symphony IL-6 test in the context of sepsis. IL-6 is a clinically established inflammatory biomarker, and is considered a ‘first-responder,’ for assessment of severity of infection and inflammation across many disease indications, including sepsis. A current challenge of healthcare professionals is the excessive time and cost associated determining a patient’s level of severity at triage and we believe that our Symphony IL-6 test, if ultimately successful and approved, could have the ability to consistently monitor this critical care biomarker with rapid results.

If we succeed with the foregoing plan, in the future we hope to develop additional tests for Symphony, including tests for myocardial infarction and congestive heart failure (cardiac biomarkers hsTNT and NT pro-BNP) as well as other tests using the Symphony platform.

The Company was incorporated under the laws of Delaware on March 20, 2015. Our headquarters, which is our sole office location, is located in Acton, Massachusetts.

On June 4, 2021, the Company formed Bluejay Spinco, LLC, a wholly owned subsidiary of the Company, for purposes of further development of the Company’s ALLEREYE diagnostic test. ALLEREYE is a point-of-care device offering healthcare providers a solution for diagnosing Allergic Conjunctivitis. The Company currently is not actively pursuing development of the ALLEREYE diagnostic test.

### *Our Market*

The Symphony platform is designed to address a subset of the global *in vitro* diagnostics devices (“IVDs”) market, with a focus on targeting critical care markets where physicians must quickly determine patient acuity to identify optimal treatment regimens. We are currently focused on our initial biomarker test, Symphony IL-6 test, in the context of the evaluation of the risk of mortality due to sepsis. We hope in the future to also explore the potential for adding new biomarker tests to the Symphony platform to also be used in the context of cardio-metabolic diseases, cancer and other diseases that require rapid tests.

### *Our Business Model*

We do not currently have any revenue-generating operations. Our goal is to become the first provider of rapid tests for critical care settings, including infectious, inflammatory and metabolic diseases, by leveraging the strengths of our Symphony platform. We intend to target our sales and marketing of Symphony to the largest critical care facilities in the United States. Our planned business model, which is contingent on us ultimately obtaining market clearance and commercializing our Symphony platform, includes the following:

- *Financing Model.* We intend to offer various financing options for the device itself. As such, our planned business model would not require customers to incur a significant capital outlay, assuming we are able to successfully offer such financial options.
- *Recurring Revenue.* We intend to sell single-use diagnostic test cartridges, thereby seeking to create a growing and recurring revenue stream, as adoption and utilization increase, and as we develop tests for additional indications. We intend that the sale of test cartridges would generate the majority of our revenue and gross profit.
- *Expand our Menu of Diagnostic Products.* Our goal would be for the average customer use of the Symphony platform to increase as overall adoption of the product occurs. If we are able to achieve market clearance in the context of sepsis and then expand our test menu to other diseases and/or conditions, we hope to be able to increase our annual revenue per customer through the resulting increase in utilization.

### *The Symphony Platform*

The Symphony platform is a proprietary technology platform that is designed to provide rapid and accurate measurements of key diagnostic biomarkers found in blood in a manner that we believe is innovative in the market. Symphony is compact and is designed for the potential of it to be deployed in a manner that is more mobile than current laboratory diagnostic platforms on the market. Symphony incorporates a user-friendly interface where all sample preparation and reagents are integrated into the disposable Symphony cartridges. Symphony only requires a few drops of blood to provide a measurement in approximately 20 minutes.

The Symphony analyzer is developed and is designed to orchestrate sample processing (e.g. whole blood, plasma, serum, etc.), biomarker isolation, and immunoassay preparation using non-contact centrifugal force. All necessary reagents and components are integrated into the Symphony cartridges. Utilizing precision microchannel technology and high specificity antibodies, liquid samples are processed, and the biomarker is isolated within the Symphony cartridge. Intermittent centrifugation cycles enable complex fluid movements, allowing sequential reagent additions and independent reaction steps inside the Symphony cartridge. At the conclusion of the test, the Symphony analyzer measures the fluorescence signature correlating to a highly sensitive quantitation of the biomarker.

To perform a Symphony test, the test operator adds the sample (e.g. whole blood, plasma, serum, etc.) to the Symphony cartridge. After scanning the patient ID, the Symphony cartridge is inserted into the Symphony analyzer and the operator initiates the fully automated test. Each analyzer can run up to six cartridges simultaneously, either with six different patient samples or six different tests, providing quantitative measurements used for improved patient management and clinical decision-making.

To date, we have relied on Toray Industry’s development and manufacturing of the Symphony cartridges. We recently received a final supply of certain chip components from Toray prior to the expiration of our supply agreement with Toray, which occurred in October 2025. We have encountered several technical challenges in the performance and quality of the Symphony cartridges, and we are therefore planning to redevelop the manufacturing process for the cartridges in an attempt to bring Symphony to a level consistent with necessary performance and quality requirements. In particular, the capture antibody used in the cartridge needs to be replaced. In addition, we are working to correct several reliability and stability issues with the cartridge product.

We are currently in the process of redeveloping our cartridge manufacturing processes through Sanyoseiko Co. Ltd. (“Sanyoseiko”), a third-party contractor who is managing such redevelopment, and will serve as our CMO for cartridge manufacturing, including for validation testing and commercial manufacturing, pending regulatory clearance.

Under our agreements with Toray, we must use best efforts to have substantially completed the establishment of our cartridge manufacturing site by October 2026. If Toray were to assert that the Company has not done so, they could seek to terminate our license agreement with Toray as early as November 2026. If Toray were to be successful in terminating such license agreement, we would lose access to certain technology required to produce the cartridges that the Symphony system relies on to function, which would likely result in a material adverse effect on our commercialization efforts.

Assuming we are successful in our cartridge manufacturing process redevelopment, our plan is to begin testing of samples we are collecting as part of our ongoing SYMON-II clinical trial by the end of 2026, with a goal of being in position to submit a 510(k) regulatory application to the FDA in 2027, and an objective of achieving FDA clearance thereafter.

#### *Manufacturing*

We plan to manufacture our analyzers and cartridges through Sanyoseiko as a contract manufacturing organizations (“CMO”), and we have entered into master supply and service agreements with Sanyoseiko governing these matters. Pursuant to statements of work that we will provide to Sanyoseiko under these agreements, Sanyoseiko will provide end-to-end support for the Symphony platform, including supporting the manufacturing redevelopment process for analyzers and cartridges (with hardware, software, and design updates), managing raw material sourcing and vendor compliance, and serving as our contract manufacturing organization for analyzers, cartridges, and related components. In this capacity, Sanyoseiko will oversee fulfillment, kit assembly, labeling, packaging, shipping, and quality control of manufactured products, while also providing regulatory and quality management support, and equipment storage and maintenance.

Sanyoseiko has been selected as our CMO due to their core competencies in manufacturing and quality systems recognized by the FDA. Sanyoseiko’s facilities are located in Japan. We currently license the technology for the Symphony cartridges from Toray. Our license grants us exclusive global marketing rights, with the exception of Japan. Bluejay holds the rights to manufacture the analyzers.

#### *Government Regulation – FDA Regulatory Strategy*

The design, development, manufacture, testing and sale of our products in the U.S. are subject to regulation by numerous governmental authorities, principally the FDA, and corresponding state and local regulatory agencies. Generally, the products we develop must be cleared by the FDA before they are marketed in the United States. Before and after approval, authorization, or clearance in the United States, our products are subject to extensive regulation by the FDA, as well as by other regulatory bodies. FDA regulations govern, among other things, the development, testing, manufacturing, labeling, safety, storage, recordkeeping, market clearance, authorization or approval, labeling and promotion, import and export, marketing and sales, and distribution of medical devices

Our current regulatory strategy is designed to support commercialization of Symphony in the United States if and when we receive marketing authorization from the FDA. In May 2023, we submitted a pre-submission application to the FDA presenting study designs to validate Symphony IL-6 for use with hospitalized sepsis patients. We participated in a pre-submission meeting with the FDA in August 2023, and at the meeting the FDA provided feedback on the study design, determined that the submission of a 510(k) is the appropriate premarket submission pathway, and requested that certain data be provided in the 510(k). Based on this feedback, we determined to proceed on this basis, which considers the FDA’s feedback.

In the second quarter of 2024, we completed a multicenter Symphony IL-6 MONitoring Sepsis (“SYMON”) clinical study investigating the role of interleukin-6 (IL-6) in patients diagnosed with sepsis and septic shock. This prospective study assessed the performance of IL-6 upon initial presentation to the intensive care unit (ICU). A primary endpoint of the SYMON-I pilot clinical study (registered clinical trial number NCT06181604) suggested that IL-6 levels within 24 hours of sepsis or septic shock diagnosis and admission to the ICU may predict patient mortality out to 28 days. Furthermore, a secondary endpoint of the SYMON-I study suggested that IL-6 levels within 24 hours of sepsis or septic shock diagnosis and admission to the ICU is a predictor of patient mortality during their hospitalization. Other secondary endpoints showed that lactate and Sequential Organ Failure Assessment (SOFA), standard clinical tests used for sepsis and septic shock patients, were not predictors of patient mortality out to 28 days. We believe that the findings underscore the potential importance of IL-6 as a predictor and provide new insights into the potential pathways for improving sepsis outcomes.

Using the data analysis from the SYMON-I pilot clinical study, we initiated the SYMON-II pivotal clinical study in the third quarter of 2024. The SYMON II clinical study has three components: (1) collection, freezing, and biobanking of patient samples, (2) measuring IL-6 concentrations in the biobanked samples near the end of patient enrollment or after the patient enrollment has completed, and (3) analysis of the IL-6 data with the patient outcomes to see if the established IL-6 cutoff value has been validated for 28-day all-cause mortality. Patient enrollment started during the fourth quarter of 2024. Our goal is to use the Symphony IL-6 test to complete the testing in the SYMON-II clinical trial.

If we are able to complete the SYMON-II clinical study and the results are positive, we intend to use the data generated from SYMON-II to support a 510(k) application to the FDA. This application is currently expected to be based on the following intended use: “Symphony IL-6 is intended for use to determine the IL-6 concentration as an aid in assessing the cumulative 28-day risk of all-cause mortality in conjunction with other laboratory findings and clinical assessments for patients diagnosed with sepsis or septic shock in the ICU.” We also plan to present the SYMON-I and SYMON-II results at future national scientific meetings and publish them in peer-reviewed journals. Subject to achieving needed funding and successfully addressing the technical challenges that our described above, our plan is to begin testing of samples it is collecting as part of our ongoing SYMON-II clinical trial by the end of 2026, with a goal of being in position to submit a 510(k) regulatory application to the FDA in 2027, and an objective of achieving FDA clearance thereafter.

Our ability to engage in and complete the activities needed for an FDA submission will be contingent upon us addressing these and other challenges, including possessing and/or raising sufficient capital, remaining a going concern, and producing product capable of supporting our product requirements and meeting analytical validation and clinical validation.

#### *Sales and Marketing*

Until such time as Symphony products may be authorized by the FDA, our sales and marketing efforts are intended to focus on brand awareness and market education to potential customers, emphasizing the value of monitoring a critical care patient’s IL-6 levels to improve decision making and patient outcomes. If the device is cleared by the FDA, we intend to target sales to ERs and ICUs at United States hospitals, as well as to long-term acute care facilities. We hope to establish a market presence by selling Symphony devices and tests both directly and through various distribution channels to maximize sales volume and market penetration. In addition to our hope to sell Symphony for eventual use in the patient care market, we are also evaluating sales of Symphony devices for “research use only” purposes.

#### *License Agreement*

We depend on Toray’s intellectual property to develop the Symphony cartridges upon which the Symphony platform relies. We are party to license and supply agreements with Toray, which provides us with an exclusive global license, excluding Japan, to use Toray’s patents and know-how related to the Symphony detection cartridges for the manufacturing, marketing and sale of the products. In exchange for this license, we committed to make two payments of \$120,000 each to Toray, both of which were made in 2021. In addition, following the first sale of the cartridges after regulatory clearance, we are obligated to make royalty payments to Toray based on the net sales of the cartridges for the period that any underlying patents exist or ten years after the first sale.

Under our agreements with Toray, we must use best efforts to have substantially completed the establishment of our cartridge manufacturing site by October 2026. If Toray were to assert that we have not done so, they could seek to terminate the license agreement as early as November 2026. If Toray were to be successful in terminating the license agreement, we would lose access to certain technology required to produce the cartridges that the Symphony system relies on to function, which would likely result in a material adverse effect on our commercialization efforts.

#### *Intellectual Property, Proprietary Technology*

In the fourth quarter of 2024, we submitted a provisional patent to the U.S. Patent Office. The provisional patent is to establish a priority date to protect certain utilizations of IL-6 with sepsis patients. We plan to file a Patent Cooperation Treaty (“PCT”) application in the fourth quarter of 2025 for the inventions.

We do not currently directly hold any granted patents. We rely on a combination either directly or through the License Agreement with Toray of patent, copyright, trade secret, trademark, confidentiality agreements, and contractual protection to establish and protect our proprietary rights. Of the patents we rely on, the protections expire internationally in 2027 and 2028, and in the U.S. in March 2029 and February 2030. As described above, we are currently working toward a goal of being in position to submit a 510(k) regulatory application to the FDA in 2027 with an objective of achieving FDA clearance thereafter, which means that even if we meet our timeline, the period of time we will have to commercialize our product under the protection of these patents is expected to be very narrow.

In connection with prior development work performed by Bluejay, we plan to apply in the future for patent protections related to certain design improvements made to the Symphony technology platform.

#### *Competition*

There are currently no FDA cleared or approved IL-6 tests on the market. There are IL-6 tests granted FDA Emergency Use Authorization (EUA) for use with only COVID-19 patients, including the Roche Cobas<sup>®</sup>, Siemens ADVIA Centaur<sup>®</sup> and Beckman Coulter Access 2<sup>®</sup>, which are laboratory size equipment and require pre-processing of whole blood prior to performing their tests. We believe that Symphony, which is designed for many liquid sample types including whole blood, provides us with a substantial competitive advantage over our existing competition that will sustain through commercialization, despite our competitive landscape including existing major life science companies and the consistent entry of innovative start-ups.

#### *Employees*

As of October 21, 2025, we had 6 full time employees. We are currently in the process of engaging additional personnel.

We also contract with several consultants and contractors performing accounting, finance, regulatory advisory, investor relations and manufacturing scale-up support. None of our employees are represented by labor unions or covered by collective bargaining agreements.

#### **October 2025 Private Placement**

On October 9, 2025, the Company entered into a securities purchase agreement (the “Purchase Agreement”) with certain institutional accredited investors, pursuant to which the Company offered and sold (i) an aggregate of 175,000 PIPE Shares and Pre-Funded Warrants to purchase up to 2,075,000 shares of common stock, and (ii) Series F Warrants to purchase up to 4,500,000 shares of common stock. The combined price of securities sold in the private placement was \$2.00 per share of common stock (or pre-funded warrant in lieu thereof, in which case such price was reduced by \$0.0001) and accompanying Series F Warrants to acquire two shares of common stock. The Pre-Funded Warrants are exercisable for shares of common stock at an exercise price of \$0.0001 per share, are immediately exercisable and expire once exercised in full. The Series F Warrants are exercisable for shares of common stock at an exercise price of \$1.75 per share, are immediately exercisable and expire five and one-half years from the date of issuance.

The transaction closed on October 10, 2025. At closing, the Company received proceeds of approximately \$4.0 million after payment to the placement agent of an 8% cash fee and reimbursement of certain fees and expenses of the placement agent, in each case, pursuant to an engagement letter entered into with the placement agent on August 29, 2025. In addition, pursuant to such engagement letter, the Company issued to the placement agent (or its designees) Placement Agent Warrants to purchase up to an aggregate of 180,000 shares of common stock on the same terms as the Series F Warrants, except that the exercise price per share is 125% of the combined price of the securities sold in the private placement.

#### **April 2025 Private Placement**

On April 7, 2025, the Company entered into inducement letter agreements (the “Inducement Letter Agreements”) with certain existing holders of the Company’s Class C warrants, pursuant to which the holders agreed to purchase an aggregate of 1,085,106 shares of our common stock. The Class C warrants were originally issued to the holders on June 28, 2024 for an exercise price of \$98.00 per share and were subsequently reduced to \$16.30 per share pursuant to stockholder approval on August 21, 2024. Pursuant to the Inducement Letter Agreements, the holders agreed to exercise their Series C warrants at a reduced exercise price of \$3.42 per share, and to purchase an equivalent number of new Class E warrants for an additional \$0.125 per share. The Class E warrants have an exercise price of \$3.42 per share and expire on April 8, 2030.

The transaction closed on April 8, 2025. The exercise of the Class C warrants resulted in the Company issuing 1,085,106 shares of common stock at or following closing.

The gross proceeds to the Company from the exercise of the Class C warrants and the sale of the new Class E warrants were approximately \$3.8 million. The Company incurred total offering costs of approximately \$0.5 million, including a 10% financial advisory fee to Aegis Capital Corp. of approximately \$0.4 million.

#### **Reverse Stock Splits**

On July 24, 2023, we effected a first reverse stock split of our shares of common stock at a ratio of 1-for-20 (the “July 2023 Reverse Stock Split”). On June 20, 2024, we effected a second reverse stock split of our shares of common stock at a ratio of 1-for-8 (the “June 2024 Reverse Stock Split”). On November 18, 2024, we effected a third reverse stock split of our shares of common stock at a ratio of 1-for-50 (the “November 2024 Reverse Stock Split” and together with the July 2023 Reverse Stock Split and the June 2024 Reverse Stock Split, the “Reverse Stock Splits”). As such, collectively, the Company’s common stock has undergone reverse stock splits that have combined the shares on a 1-for-8,000 aggregate basis since July 2023. The Reverse Stock Splits became effective on the dates noted above, when the Company’s common stock opened for trading on Nasdaq on a post-split basis under the Company’s existing trading symbol, “BJDX.” All historical share and per share amounts reflected throughout this prospectus have been adjusted to reflect the Reverse Stock Splits.

#### **Risks Associated with Our Business**

Our business is subject to a number of risks of which you should be aware before making an investment decision. These risks are discussed more fully in the “Risk Factors” section of this prospectus immediately following this prospectus summary and in Part I, Item 1A “Risk Factors” of our Annual Report on Form 10-K for the fiscal year ended December 31, 2024, and in Part II, Item 1A “Risk Factors” of our Quarterly Reports on Form 10-Q for the fiscal quarters ended March 31, 2025 and June 30, 2025, each of which are incorporated by reference into this prospectus. These risks include the following:

- We have incurred significant losses since our inception, do not currently generate any operating income, and will continue to incur losses as we work to obtain product clearance or approval, and thus we may never achieve or maintain profitability.

- We will require material additional funding to finance our operations to continue as a going concern, which may not be available to us on acceptable terms, or at all, and our lack of cash resources has slowed the timeline of our clinical trial work and could cause us to run out of cash resources in the near-term.
- Since the initial public offering of our common stock in November 2021, the market price of our common stock has fallen by more than 99.9%, and we expect to need additional funding amounts substantially greater than the current market capitalization of our common stock, which may result in future dilution that coincides with further material declines in the trading price of our common stock beyond the substantial declines that have occurred in recent years.
- In connection with any merger, consolidation or sale of all or substantially all of our assets, holders of our outstanding warrants would be entitled to receive the Black Scholes value of such warrants, which may reduce the consideration otherwise available for payment to holders of our common stock.
- Our common stock is currently listed for quotation on the Nasdaq Capital Market, but we may be unable to meet requirements for continued listing in the future.
- Our license and supply arrangements with Toray, which relate to the license of the core technology used in our Symphony Cartridges and the supply of cartridge intermediates from Toray to Sanyoseiko for Sanyoseiko to manufacture cartridges for Bluejay, are subject to significant risks that may threaten our viability or otherwise have a material adverse effect on us and our business, assets and its prospects.
- We might not be able to discover the underlying cause of an ongoing performance reproducibility issue with our product, and if the issues are ultimately determined to be inherent in the design process of the platform, we might have to undertake a significant adjustment to our process and materials.
- Our Symphony platform, including its software and systems, may contain undetected errors, which could limit our ability to provide our products and diminish the attractiveness of our offerings.
- If we or our manufacturers fail to comply with the regulatory quality system regulations or any applicable equivalent regulations, our proposed operations could be interrupted, and our operating results would suffer.
- If we are found to have violated laws protecting the confidentiality of patient health information, we could be subject to civil or criminal penalties, which could increase our liabilities and harm our reputation or our business.
- Significant raw material shortages, supplier capacity constraints, supplier disruptions, and sourcing issues may adversely impact or limit our products sales and or impact our product margins.
- Our ability to solve ongoing issues with stability, and reliability of the Symphony Cartridge product may adversely impact our ability to complete clinical trial work and commercialize Symphony.
- The regulatory clearance process which we may be required to navigate may be expensive, time-consuming, and uncertain and may prevent us from obtaining clearance for our planned products.
- Clinical data obtained in the future may not meet the required objectives, which could delay, limit or prevent any regulatory clearance or approval.
- We may be unable to complete required clinical evaluations, or we may experience significant delays in completing such clinical evaluations, which could prevent or significantly delay our targeted product launch timeframe and impair our viability and business plan.

- We and our suppliers may not meet regulatory quality standards applicable to our manufacturing processes, which could have an adverse effect on our business, financial condition, and results of operations.
- We depend on intellectual property licensed from Toray, and any dispute over the license would significantly harm our business.
- We will depend primarily on Toray to file, prosecute, maintain, defend and enforce intellectual property that we license from it and that is material to our business.
- We and Toray may be unable to protect or enforce the intellectual property rights licensed to us, which could impair our competitive position.
- We and/or Toray may be subject to claims alleging the violation of the intellectual property rights of others.
- We are currently only pursuing one aspect of analytical validation, one of three series of validation tests required for FDA clearance, and we cannot be certain how long the remaining tests will take us.
- The FDA could request additional data or testing after our submission for application, requiring additional costs and delaying clearance or approval.
- We face intense competition in the diagnostic testing market, particularly in the IL-6 space, and as a result we may be unable to effectively compete in our industry.
- Sales of substantial amounts of our securities in the public market could depress the market price of our common stock.
- Failure to maintain effective internal controls in accordance with Section 404 of the Sarbanes-Oxley Act could have material adverse effect on our business and stock price. Our President and Chief Executive Officer, in addition to serving as principal executive officer, currently serves as our principal financial and accounting officer, and we have no employees devoted on a full-time basis to our finance, accounting, legal or compliance functions, which may substantially increase the likelihood that we will fail to successfully maintain effective internal controls over financial reporting, or effective disclosure controls and procedures.

#### **Implications of Being an Emerging Growth Company**

We are an emerging growth company as defined in the Jumpstart Our Business Startups Act of 2012 (the “JOBS Act”). We may remain an “emerging growth company” until as late as December 31, 2027 (the fiscal year-end following the fifth anniversary of the completion of our initial public offering, though we may cease to be an “emerging growth company” earlier under certain circumstances, including (1) if the market value of our common stock that is held by nonaffiliates exceeds \$700 million as of any June 30, in which case we would cease to be an “emerging growth company” as of the following December 31, or (2) if our gross revenue exceeds \$1.235 billion in any fiscal year. “Emerging growth companies” may take advantage of certain exemptions from various reporting requirements that are applicable to other public companies, including not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002, reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements and exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and stockholder approval of any golden parachute payments not previously approved. Investors could find our common stock less attractive because we may rely on these exemptions. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our stock price may be more volatile.

In addition, Section 102 of the JOBS Act also provides that an “emerging growth company” can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act, for complying with new or revised accounting standards. An “emerging growth company” can therefore delay the adoption of certain accounting standards until those standards would otherwise apply to private companies.

#### **Corporate Information**

We were incorporated under the laws of the State of Delaware on March 20, 2015. Our principal executive offices are located at 360 Massachusetts Avenue, Suite 203, Acton, MA 01720 and our telephone number is (844) 327-7078. Our website address is [www.bluejaydx.com](http://www.bluejaydx.com). We do not incorporate the information on, or accessible through, our website into this prospectus, and you should not consider any information on, or accessible through, our website as part of this prospectus.

### The Offering

Shares of common stock offered by the Selling Stockholders:

6,930,000 shares of common stock

Terms of this offering:

The Selling Stockholders may sell, transfer or otherwise dispose of any or all of the Shares offered by this prospectus from time to time as described under the caption "Plan of Distribution" in this prospectus

Use of proceeds:

All proceeds from the sale of shares of common stock offered hereby will be for the account of the Selling Stockholders. We will not receive any proceeds from the sale of common stock offered hereunder, although we will receive the net proceeds of any Warrants exercised for cash. See the caption "Use of Proceeds" in this prospectus.

Risk factors:

Investing in our common stock involves a high degree of risk and purchasers of our common stock may lose their entire investment. See the information under the caption "Risk Factors" on page 10 of this prospectus and the other information included elsewhere in this prospectus and incorporated by reference herein for a discussion of factors you should consider before deciding to invest in our securities.

Nasdaq Capital Market symbol:

BJDX

When we refer to the Selling Stockholders in this prospectus, we are referring to the Selling Stockholders identified in this prospectus and, as applicable, their permitted transferees, or other successors-in-interest that may be identified in a supplement to this prospectus or, if required, a post-effective amendment to the registration statement of which this prospectus is a part.

## RISK FACTORS

*Investing in our common stock involves a high degree of risk. You should carefully consider and evaluate all of the information contained in this prospectus and in the documents incorporated by reference in this prospectus before you decide to purchase our common stock. In particular, you should carefully consider and evaluate the risks and uncertainties described in “Part I – Item 1A. Risk Factors” of our most recent Annual Report on Form 10-K for the fiscal year ended December 31, 2024 and our Quarterly Reports on Form 10-Q for the fiscal quarters ended March 31, 2025 and June 30, 2025, which are each incorporated by reference into this prospectus, as updated by the additional risks and uncertainties set forth or incorporated by reference herein. Additional risks and uncertainties that we are unaware of or that we believe are not material at this time could also materially adversely affect our business, financial condition, or results of operations. Any of these risks and uncertainties could materially and adversely affect our business, results of operations, and financial condition, which in turn could materially and adversely affect the trading price or value of our common stock. As a result, you could lose all or part of your investment.*

*This prospectus also contains forward-looking statements that involve risks and uncertainties. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of certain factors, including the risks faced by us described below and elsewhere in this prospectus. See “Special Note Regarding Forward-Looking Statements” for information relating to these forward-looking statements.*

## SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and the documents incorporated herein by reference contain forward-looking statements which are made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. In some cases, you can identify these statements by forward-looking words such as “may,” “might,” “should,” “would,” “could,” “expect,” “plan,” “anticipate,” “intend,” “believe,” “estimate,” “predict,” “potential” or “continue,” and the negative of these terms and other comparable terminology. These forward-looking statements, which are subject to known and unknown risks, uncertainties and assumptions about us, may include projections of our future financial performance based on our growth strategies and anticipated trends in our business. These statements are only predictions based on our current expectations and projections about future events. There are important factors that could cause our actual results, level of activity, performance or achievements to differ materially from the results, level of activity, performance or achievements expressed or implied by the forward-looking statements. We have included important factors in the cautionary statements included in this prospectus, particularly under “Risk Factors” on page 10 of this prospectus and the documents incorporated herein that we believe could cause actual results or events to differ materially from the forward-looking statements that we make.

While we believe we have identified material risks in our Annual Report on Form 10-K for the fiscal year ended December 31, 2024 and our Quarterly Reports on Form 10-Q for the fiscal quarters ended March 31, 2025 and June 30, 2025, which are each incorporated by reference in this prospectus, together with the information included in this prospectus and the documents incorporated by reference herein, and in any free writing prospectus that we have authorized for use in connection with this offering, these risks and uncertainties are not exhaustive. Other sections of this prospectus and the documents incorporated herein by reference may describe additional factors that could adversely impact our business and financial performance. Moreover, we operate in a very competitive and rapidly changing environment. New risks and uncertainties emerge from time to time, and it is not possible to predict all risks and uncertainties, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements.

Although we believe the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, level of activity, performance or achievements. Moreover, neither we nor any other person assumes responsibility for the accuracy or completeness of any of these forward-looking statements. You should not rely upon forward-looking statements as predictions of future events. You should read this prospectus and any free writing prospectus and the documents that we have incorporated by reference to this prospectus and filed as exhibits to this prospectus completely and with the understanding that our actual future results may be materially different from what we expect.

We caution you not to place undue reliance on the forward-looking statements, which speak only as of the date of this prospectus in the case of forward-looking statements contained in this prospectus.

You should not rely upon forward-looking statements as predictions of future events. Our actual results and financial condition may differ materially from those indicated in the forward-looking statements. We qualify all of our forward-looking statements by these cautionary statements. 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. Therefore, you should not rely on any of the forward-looking statements. In addition, with respect to all of our forward-looking statements, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995.

Except as required by law, we undertake no obligation to update or revise any forward-looking statements to reflect new information or future events or developments. You should not assume that our silence over time means that actual events are bearing out as expressed or implied in such forward-looking statements. Before deciding to purchase our securities, you should carefully consider the risk factors discussed and incorporated by reference in this prospectus and the documents incorporated herein.

## USE OF PROCEEDS

The net proceeds from any disposition of the Shares will be received by the Selling Stockholders. We will not receive any of the proceeds from any such Shares offered by this prospectus. We will, however, receive the net proceeds of any Warrants exercised for cash. We intend to use the net proceeds from the exercise of the Warrants to fund matters related to obtaining FDA approval (including clinical studies related thereto), as well as for other research and development activities, and for general working capital needs. We have agreed to pay all costs, expenses, and fees relating to the registration of the Shares covered by this prospectus.

## SELLING STOCKHOLDERS

The Shares being offered by the selling shareholders are those previously issued to the selling shareholders, and those issuable to the selling shareholders, upon exercise of the Warrants. For additional information regarding the issuances of the Shares and the Warrants, see “Prospectus Summary - October 2025 Private Placement” above. We are registering the Shares in order to permit the selling shareholders to offer the Shares for resale from time to time. The selling shareholders have not had any material relationship with us within the past three years, except for the ownership of our common stock and warrants to purchase our common stock and related agreements entered into in connection with the acquisition thereof.

The table below lists the selling shareholders and other information regarding the beneficial ownership of shares of our common stock by each of the selling shareholders. The second column lists the number of shares of our common stock beneficially owned by each selling shareholder, based on its ownership of shares of our common stock and warrants to purchase our common stock, as of \_\_\_\_\_, 2025, assuming exercise of the warrants held by the selling shareholders on that date, without regard to any limitations on exercises. The percentage of beneficial ownership after this offering is based on 1,814,133 shares outstanding on October 21, 2025.

The third column lists the shares of common stock being offered by this prospectus by the selling shareholders.

In accordance with the terms of a registration rights agreement with the selling shareholders, this prospectus generally covers the resale of the sum of (i) the number of shares of common stock issued to the selling shareholders in the “Prospectus Summary - October 2025 Private Placement” described above and (ii) the maximum number of shares of common stock issuable upon exercise of the related warrants, determined as if the outstanding warrants were exercised in full as of the trading day immediately preceding the date this registration statement was initially filed with the SEC, each as of the trading day immediately preceding the applicable date of determination and all subject to adjustment as provided in the registration right agreement, without regard to any limitations on the exercise of the warrants. The fourth column assumes the sale of all of the shares offered by the selling shareholders pursuant to this prospectus.

Under the terms of the Warrants and other warrants held by selling shareholders, a selling shareholder may not exercise any such warrants to the extent such exercise would cause such selling shareholder, together with its affiliates and attribution parties, to beneficially own a number of shares of common stock which would exceed 4.99% or 9.99%, as applicable, of our then outstanding common stock following such exercise, excluding for purposes of such determination shares of our common stock issuable upon exercise of such warrants which have not been exercised. The number of shares in the second and fourth columns do not reflect this limitation. The selling shareholders may sell all, some or none of their shares in this offering. See “Plan of Distribution.”

Selling Stockholder	Beneficial Ownership Before This Offering	Number of Shares Being Offered	Beneficial Ownership After This Offering	
	Number of Shares Beneficially Owned		Number of Shares Beneficially Owned	Percentage of Outstanding Shares
Armistice Capital, LLC <sup>(1)</sup>	5,650,478	5,625,000	25,478	*
Augustus Trading LLC <sup>(2)</sup>	78,975	78,975	–	*
David Dinkin <sup>(3)</sup>	70,650	70,650	–	*
Intracoastal Capital LLC <sup>(4)</sup>	1,125,069	1,125,000	69	*
Wilson Drive Holdings LLC <sup>(5)</sup>	30,375	30,375	–	*

\* Less than 1%

- (1) The number of shares of common stock being offered hereby include (i) 1,875,000 shares of common stock issuable upon the exercise of Pre-Funded Warrants subject to a 9.99% ownership cap, (ii) 3,750,000 shares of common stock issuable upon the exercise of Series F Warrants subject to a 4.99% ownership cap, and (iii) additional shares of common stock issuable upon the exercise of other Company warrants. The securities are directly held by Armistice Capital Master Fund Ltd., a Cayman Islands exempted company (the “Master Fund”), and may be deemed to be beneficially owned by: (i) Armistice Capital, LLC (“Armistice Capital”), as the investment manager of the Master Fund; and (ii) Steven Boyd, as the Managing Member of Armistice Capital. The warrants are subject to a beneficial ownership limitation of 4.99%, which such limitation restricts the Selling Stockholder from exercising that portion of the warrants that would result in the Selling Stockholder and its affiliates owning, after exercise, a number of shares of common stock in excess of the beneficial ownership limitation. The address of Armistice Capital Master Fund Ltd. is c/o Armistice Capital, LLC, 510 Madison Avenue, 7th Floor, New York, NY 10022.
- (2) Includes 78,975 shares issuable upon exercise of Placement Agent Warrants. Orsium Capital LLC, the authorized agent to Augustus Trading LLC, has discretionary authority to vote and dispose of the securities held by Augustus Trading LLC and may be deemed to be the beneficial owner of these securities. Olivier Morali, in his capacity as managing member of Orsium Capital LLC, may also be deemed to have investment discretion and voting power over the shares held by Augustus Trading LLC. Orsium Capital LLC and Mr. Morali each disclaims any beneficial ownership of these securities.
- (3) The Selling Stockholder is affiliated with Rodman, a registered broker-dealer with a registered address of Rodman & Renshaw LLC, 600 Lexington Avenue, 32nd Floor, New York, NY 10022. Rodman acted as our placement agent in the Warrant Inducement and the 2025 Offering. The Selling Stockholder has sole voting and dispositive power over the securities held, acquired the securities in the ordinary course of business and, at the time the securities were acquired, the Selling Stockholder had no agreement or understanding, directly or indirectly, with any person to distribute such securities.
- (4) The number of shares of common stock being offered hereby include (i) 200,000 shares of common stock issuable upon the exercise of Pre-Funded Warrants subject to a 9.99% ownership cap and (ii) 750,000 shares of common stock issuable upon the exercise of Series F Warrants subject to a 4.99% ownership cap. The securities are directly held by Intracoastal Capital LLC, a Delaware limited liability company (“Intracoastal”) and may be deemed to be beneficially owned by Mitchell P. Kopin (“Mr. Kopin”) and Daniel B. Asher (“Mr. Asher”), each of whom are managers of Intracoastal Capital LLC (“Intracoastal”), have shared voting control and investment discretion over the securities reported herein that are held by Intracoastal. As a result, each of Mr. Kopin and Mr. Asher may be deemed to have beneficial ownership (as determined under Section 13(d) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”)) of the securities reported herein that are held by Intracoastal. Intracoastal Capital LLC’s address is 245 Palm Trail, Delray Beach, FL 33483.
- (5) Includes 30,375 shares issuable upon exercise of Placement Agent Warrants. Craig Schwabe is the managing member of Wilson Drive Holdings LLC and has the power to vote and dispose of the securities held. Mr. Schwabe is affiliated with Rodman & Renshaw LLC, a registered broker-dealer with a registered address of Rodman & Renshaw LLC, 600 Lexington Avenue, 32nd Floor, New York, NY 10022. The securities were acquired in the ordinary course of business and, at the time the securities were acquired, the Selling Stockholder had no agreement or understanding, directly or indirectly, with any person to distribute such securities.

## PLAN OF DISTRIBUTION

Each Selling Stockholder and any of their pledgees, assignees and successors-in-interest may, from time to time, sell any or all of their Shares covered hereby on the principal Trading Market or any other stock exchange, market or trading facility on which the Company's common stock is traded or in private transactions. These sales may be at fixed or negotiated prices. A Selling Stockholder may use any one or more of the following methods when selling Shares:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the securities as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- settlement of short sales;
- in transactions through broker-dealers that agree with the Selling Stockholders to sell a specified number of such Shares at a stipulated price per security;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- a combination of any such methods of sale; or
- any other method permitted pursuant to applicable law.

The Selling Stockholders may also sell Shares under Rule 144 or any other exemption from registration under the Securities Act of 1933, as amended (the "Securities Act"), if available, rather than under this prospectus.

Broker-dealers engaged by the Selling Stockholders may arrange for other brokers-dealers to participate in sales. Broker-dealers may receive commissions or discounts from the Selling Stockholders (or, if any broker-dealer acts as agent for the purchaser of securities, from the purchaser) in amounts to be negotiated, but, except as set forth in a supplement to this Prospectus, in the case of an agency transaction not in excess of a customary brokerage commission in compliance with FINRA Rule 2121; and in the case of a principal transaction a markup or markdown in compliance with FINRA Rule 2121.

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

Each Selling Stockholder has informed the Company that it does not have any written or oral agreement or understanding, directly or indirectly, with any person to distribute the Shares.

The Company is required to pay certain fees and expenses incurred by the Company incident to the registration of the Shares. The Company has agreed to indemnify the Selling Stockholders against certain losses, claims, damages and liabilities, including liabilities under the Securities Act.

We agreed to keep this prospectus effective until the earlier of (i) the date on which the Shares may be resold by the Selling Stockholders without registration and without regard to any volume or manner-of-sale limitations by reason of Rule 144, without the requirement for the Company to be in compliance with the current public information under Rule 144 under the Securities Act or any other rule of similar effect or (ii) all of the Shares have been sold pursuant to this prospectus or Rule 144 under the Securities Act or any other rule of similar effect. The resale securities will be sold only through registered or licensed brokers or dealers if required under applicable state securities laws. In addition, in certain states, the Shares covered hereby may not be sold unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

Under applicable rules and regulations under the Exchange Act, any person engaged in the distribution of the resale securities may not simultaneously engage in market making activities with respect to the common stock for the applicable restricted period, as defined in Regulation M, prior to the commencement of the distribution. In addition, the Selling Stockholders will be subject to applicable provisions of the Exchange Act and the rules and regulations thereunder, including Regulation M, which may limit the timing of purchases and sales of the common stock by the Selling Stockholders or any other person. We will make copies of this prospectus available to the Selling Stockholders and have informed them of the need to deliver a copy of this prospectus to each purchaser at or prior to the time of the sale (including by compliance with Rule 172 under the Securities Act).

## LEGAL MATTERS

The validity of the shares of common stock offered hereby is being passed upon for us by Hogan Lovells US LLP.

## EXPERTS

Wolf & Company P.C., independent registered public accounting firm, has audited our consolidated financial statements included in our Annual Report on Form 10-K, for the year ended December 31, 2024, as set forth in their report (which contains an explanatory paragraph describing conditions that raise substantial doubt about our ability to continue as a going concern as described in Note 1 to the consolidated financial statements), which is incorporated by reference in this prospectus and elsewhere in the registration statement. Our financial statements are incorporated by reference in reliance on Wolf & Company P.C.'s report, given on their authority as experts in accounting and auditing.

## INCORPORATION BY REFERENCE

The SEC allows us to “incorporate by reference” information into this prospectus, which means that we can disclose important information to you by referring you to another document filed separately with the SEC. The SEC file number for the documents incorporated by reference in this prospectus is 001-41031. The documents incorporated by reference into this prospectus contain important information that you should read about us.

The following documents are incorporated by reference into this document:

- our Annual Report on [Form 10-K](#) for the fiscal year ended December 31, 2024, filed on March 31, 2025, as amended by [Amendment No. 1](#) thereto, filed on April 29, 2025;
- our Quarterly Report on [Form 10-Q](#) for the fiscal quarter ended March 31, 2025, filed on May 13, 2025, and our Quarterly Report on [Form 10-Q](#) for the fiscal quarter ended June 30, 2025, filed on August 7, 2025;
- those portions of our [Definitive Proxy Statement](#) on Schedule 14A filed on May 16, 2025 that are deemed “filed” with the SEC;
- our Current Reports on Form 8-K (other than portions thereof furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits accompanying such reports that relate to such items) filed with the SEC on [April 9, 2025](#), [May 28, 2025](#), [June 4, 2025](#), [June 20, 2025](#), [July 28, 2025](#), [August 15, 2025](#), [October 9, 2025](#) and [October 14, 2025](#); and
- The description of our common stock, par value \$0.0001 per share contained in its Registration Statement on [Form 8-A](#), dated and filed with the SEC on November 5, 2021, as amended by the description of our common stock contained in [Exhibit 4.10](#) to our Annual Report on Form 10-K for the year ended December 31, 2024, including all amendments and reports updating that description.

We also incorporate by reference into this prospectus all documents (other than current reports furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits filed on such form that are related to such items) that are filed by us with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of the initial registration statement of which this prospectus is a part and prior to the effectiveness of such registration statement and all documents that are filed by us with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this prospectus but prior to the termination of the offering. These documents include periodic reports, such as Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K, as well as proxy statements.

Any statement contained herein or in a document incorporated or deemed to be incorporated by reference into this prospectus will be deemed to be modified or superseded for purposes of the document to the extent that a statement contained in this prospectus or any other subsequently filed document that is deemed to be incorporated by reference into this document modifies or supersedes the statement.

We will provide without charge to each person, including any beneficial owner, to whom this prospectus is delivered, upon written or oral request, a copy of any or all documents that are incorporated by reference into this prospectus, but not delivered with the prospectus, other than exhibits to such documents unless such exhibits are specifically incorporated by reference into the documents that this prospectus incorporates. You should direct oral or written requests by one of the following methods. Attention: Investor Relations, Bluejay Diagnostics, Inc., 360 Massachusetts Avenue, Suite 203, Acton, MA, 01720, (844) 327-7078. You may also access these documents, free of charge on the SEC’s website at [www.sec.gov](http://www.sec.gov) or on the “Investors” page of our website at [www.bluejaydx.com](http://www.bluejaydx.com). The information found on our website, or that may be accessed by links on our website, is not part of this prospectus. We have included our website address solely as an inactive textual reference. Investors should not rely on any such information in deciding whether to purchase our common stock.

## WHERE YOU CAN FIND MORE INFORMATION

We filed with the SEC a registration statement under the Securities Act for the securities offered by this prospectus. This prospectus does not contain all of the information in the registration statement and the exhibits and schedule that were filed with the registration statement. For further information with respect to us and our securities, we refer you to the registration statement and the exhibits and schedule that were filed with the registration statement. Statements contained in this prospectus about the contents of any contract or any other document that is filed as an exhibit to the registration statement are not necessarily complete, and we refer you to the full text of the contract or other document filed as an exhibit to the registration statement. The SEC maintains an Internet website at <http://www.sec.gov> that contains reports, proxy and information statements, and other information regarding registrants that file electronically with the SEC.

We file periodic reports and current reports under the Exchange Act, including Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K, and other information with the Securities and Exchange Commission. These periodic reports and other information are available for inspection and copying at the SEC regional offices, public reference facilities and on the website of the SEC referred to above.

We make available free of charge on or through our internet website our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 as soon as reasonably practicable after we electronically file such material with, or furnish it to, the SEC. The information found on our website, [www.bluejaydx.com](http://www.bluejaydx.com), other than as specifically incorporated by reference in this prospectus, is not part of this prospectus.

## PART II

### INFORMATION NOT REQUIRED IN PROSPECTUS

#### Item 14. Other Expenses of Issuance and Distribution.

The following table sets forth the expenses to be incurred in connection with the offering described in this registration statement, all of which will be paid by the Registrant. All amounts are estimates except the SEC registration fee.

	<b>Amount</b>
Securities and Exchange Commission registration fee	\$ 2,483
Accounting fees and expenses	25,000
Legal fees and expenses	50,000
Printing and miscellaneous expenses	10,000
Total Expenses	<u>\$ 87,483</u>

#### Item 15. Indemnification of Directors and Officers.

Section 102(b)(7) of the Delaware General Corporation Law, or the DGCL, provides, in general, that a Delaware corporation, in its certificate of incorporation, may limit the personal liability of a director or officer to the corporation or its stockholders for monetary damages for breach of fiduciary duties as a director or officer, except for liability for any:

- transaction from which the director or officer derived an improper personal benefit;
- act or omission not in good faith or that involved intentional misconduct or a knowing violation of law;
- unlawful payment of dividends or redemption of shares; or
- breach of the director's or officer's duty of loyalty to the corporation or its stockholders.

Section 145(a) of the DGCL provides, in general, that a Delaware corporation may indemnify any person who was or is a party, or is threatened to be made a party, to any threatened, pending, or completed action, suit, or proceeding, whether civil, criminal, administrative, or investigative (other than an action by or in the right of the corporation) because that person is or was a director, officer, employee, or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee, or agent of another corporation or other enterprise. The indemnity may include expenses (including attorneys' fees), judgments, fines, and amounts paid in settlement actually and reasonably incurred by the person in connection with such action, so long as the person acted in good faith and in a manner he or she reasonably believed was in or not opposed to the corporation's best interests, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful.

Section 145(b) of the DGCL provides, in general, that a Delaware corporation may indemnify any person who was or is a party, or is threatened to be made a party, to any threatened, pending, or completed action or suit by or in the right of the corporation to obtain a judgment in its favor because the person is or was a director, officer, employee, or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee, or agent of another corporation or other enterprise. The indemnity may include expenses (including attorneys' fees) actually and reasonably incurred by the person in connection with the defense or settlement of such action, so long as the person acted in good faith and in a manner the person reasonably believed was in or not opposed to the corporation's best interests, except that no indemnification shall be permitted without judicial approval if a court has determined that the person is to be liable to the corporation with respect to such claim. Section 145(c) of the DGCL provides that, if a present or former director or officer has been successful in defense of any action referred to in Sections 145(a) and (b) of the DGCL, the corporation must indemnify such officer or director against the expenses (including attorneys' fees) he or she actually and reasonably incurred in connection with such action.

Section 145(g) of the DGCL provides, in general, that a corporation may purchase and maintain insurance on behalf of any person who is or was a director, officer, employee, or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee, or agent of another corporation or other enterprise against any liability asserted against and incurred by such person, in any such capacity, or arising out of his or her status as such, whether or not the corporation could indemnify the person against such liability under Section 145 of the DGCL.

Our amended and restated certificate of incorporation, or Charter, and our amended and restated bylaws provide for the indemnification of our directors and officers to the fullest extent permitted under the DGCL.

We have entered into separate indemnification agreements with all of our directors and officers in addition to the indemnification provided for in our Charter and our amended and restated bylaws. These indemnification agreements provide, among other things, that we will indemnify our directors and officers for certain expenses, including damages, judgments, fines, penalties, settlements and costs, and attorneys' fees and disbursements, incurred by a director or officer in any claim, action, or proceeding arising in his or her capacity as a director or officer of our company, or in connection with service at our request for another corporation or entity. The indemnification agreements also provide for procedures that will apply in the event that a director or officer makes a claim for indemnification.

We also maintain a directors' and officers' insurance policy pursuant to which our directors and officers are insured against liability for actions taken in their capacities as directors and officers.

Item 16. Exhibits.

EXHIBIT INDEX

Exhibit Number	Exhibit Title	Filed with this Form S-3	Form	Incorporated by Reference	
				File No.	Date Filed
3.1	<a href="#">Amended and Restated Certificate of Incorporation</a>		S-1	333-260029 Exhibit 3.1	10/04/2021
3.2	<a href="#">Certificate of Amendment to the Amended and Restated Certificate of Incorporation</a>		8-K	001-41031 Exhibit 3.1	07/21/2023
3.3	<a href="#">Certificate of Amendment to the Amended and Restated Certificate of Incorporation</a>		8-K	001-41031 Exhibit 3.1	05/16//2024
3.4	<a href="#">Certificate of Amendment to the Amended and Restated Certificate of Incorporation</a>		8-K	001-41031 Exhibit 3.1	06/20/2024
3.5	<a href="#">Certificate of Amendment to the Amended and Restated Certificate of Incorporation</a>		8-K	001-41031 Exhibit 3.1	08/23/2024
3.6	<a href="#">Certificate of Amendment to the Amended and Restated Certificate of Incorporation</a>		8-K	001-41031 Exhibit 3.1	11/18/2024
3.7	<a href="#">Amended and Restated Bylaws</a>		S-1	333-260029 Exhibit 3.2	10/04/2021
3.8	<a href="#">Amendment No. 1 to Amended and Restated Bylaws</a>		8-K	001-41031 Exhibit 3.1	10/16/2024
4.1	<a href="#">Specimen Common Stock Certificate</a>		S-1	333-260029 Exhibit 4.1	10/04/2021
4.2	<a href="#">Form of Pre-Funded Warrant</a>		8-K	001-41031 Exhibit 4.1	10/14/2025
4.3	<a href="#">Form of Series F Warrant</a>		8-K	001-41031 Exhibit 4.2	10/14/2025
4.4	<a href="#">Form of Placement Agent Warrant</a>		8-K	001-41031 Exhibit 4.3	10/14/2025
5.1	<a href="#">Opinion of Hogan Lovells US LLP</a>	X			
10.1	<a href="#">Form of Securities Purchase Agreement</a>		8-K	001-41031 Exhibit 10.1	10/14/2025
10.2	<a href="#">Form of Registration Rights Agreement</a>		8-K	001-41031 Exhibit 10.2	10/14/2025
10.3	<a href="#">Engagement Letter, entered into on August 29, 2025, between Bluejay Diagnostics, Inc. and Rodman &amp; Renshaw LLC</a>	X			
23.1	<a href="#">Consent of Wolf &amp; Company, P.C.</a>	X			
23.2	<a href="#">Consent of Hogan Lovells US LLP (included in Exhibit 5.1)</a>	X			
24.1	<a href="#">Power of Attorney (included on signature page)</a>	X			
107	<a href="#">Filing Fee Table</a>	X			

**Item 17. Undertakings.**

(a) The undersigned registrant hereby undertakes:

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

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

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

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

*provided, however,* that paragraphs (a)(1)(i), (a)(1)(ii), and (a)(1)(iii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

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

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

(5) That, for the purpose of determining liability under the Securities Act to any purchaser:

(i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which the prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

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

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

## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Acton, State of Massachusetts, on October 23, 2025.

### BLUEJAY DIAGNOSTICS, INC.

By: /s/ Neil Dey

Name: Neil Dey

Title: President and Chief Executive Officer

## SIGNATURES

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Indranil "Neil" Dey his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments, including post-effective amendments, to this Registration Statement, and any registration statement relating to the offering covered by this Registration Statement and filed pursuant to Rule 462(b) under the Securities Act of 1933, and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully for all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorney in fact and agent or his substitute or substitutes may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Neil Dey</u> <b>Neil Dey</b>	President, Chief Executive Officer and Director (principal executive officer, principal financial officer and principal accounting officer)	October 23, 2025
<u>/s/ Donald R. Chase</u> <b>Donald R. Chase</b>	Chairman of the Board	October 23, 2025
<u>/s/ Svetlana Dey</u> <b>Svetlana Dey</b>	Director	October 23, 2025
<u>/s/ Douglas Wurth</u> <b>Douglas Wurth</b>	Director	October 23, 2025
<u>/s/ Fred S. Zeidman</u> <b>Fred S. Zeidman</b>	Director	October 23, 2025



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 Columbia Square  
 555 Thirteenth Street, NW  
 Washington, DC 20004  
 T +1 202 637 5600  
 F +1 202 637 5910  
 www.hoganlovells.com

October 23, 2025

Board of Directors  
 Bluejay Diagnostics, Inc.  
 360 Massachusetts Avenue, Suite 203  
 Acton, MA 01720

To the addressee referred to above:

We are acting as counsel to Bluejay Diagnostics, Inc., a Delaware corporation (the “**Company**”), in connection with its registration statement on Form S-3 (the “**Registration Statement**”), filed with the Securities and Exchange Commission under the Securities Act of 1933, as amended (the “**Act**”), relating to the proposed public offering by the selling stockholders (the “**Selling Stockholders**”) listed in the Registration Statement of (i) 175,000 shares (the “**PIPE Shares**”) of Common Stock, par value \$0.0001 per share of the Company (the “**Common Stock**”) held by one of the Selling Stockholders, (ii) 2,075,000 shares of Common Stock issuable to certain of the Selling Stockholders upon the exercise of pre-funded warrants (“**Pre-Funded Warrants**”), (iii) 4,500,000 shares of Common Stock issuable to certain of the Selling Stockholders upon the exercise of series F warrants (“**Series F Warrants**”), and (iv) 180,000 shares of Common Stock issuable to certain of the Selling Stockholders upon the exercise of placement agent warrants (“**Placement Agent Warrants**”) and, together with the Pre-Funded Warrants and the Series F Warrants, the “**Warrants**”), all of which may be sold from time to time and on a delayed or continuous basis, as set forth in the prospectus which forms a part of the Registration Statement (the “**Prospectus**”), and as to be set forth in one or more supplements to the Prospectus. The PIPE Shares and the shares of Common Stock issuable upon exercise of the Warrants are referred to herein as the “**Shares**.” This opinion letter is furnished to you at your request to enable you to fulfill the requirements of Item 601(b)(5) of Regulation S-K, 17 C.F.R. § 229.601(b)(5), in connection with the Registration Statement.

For purposes of this opinion letter, we have examined copies of such agreements, instruments and documents as we have deemed an appropriate basis on which to render the opinions hereinafter expressed. In our examination of the aforesaid documents, we have assumed the genuineness of all signatures, the legal capacity of all natural persons, the accuracy and completeness of all documents submitted to us, the authenticity of all original documents, and the conformity to authentic original documents of all documents submitted to us as copies (including pdfs). As to all matters of fact, we have relied on the representations and statements of fact made in the documents so reviewed, and we have not independently established the facts so relied on. We have also assumed that upon the issuance of the Shares, the total number of shares of Common Stock issued and outstanding will not exceed the total number of shares of Common Stock that the Company is then authorized to issue under its certificate of incorporation. This opinion letter is given, and all statements herein are made, in the context of the foregoing.

This opinion letter is based as to matters of law solely on the applicable provisions of the Delaware General Corporation Law, as amended. We express no opinion herein as to any other statutes, rules or regulations.

Based upon, subject to and limited by the foregoing, we are of the opinion that, as of the date hereof, (i) the Shares have been duly authorized by all necessary corporate action on the part of the Company and (ii) following (a) exercise of the Warrants in accordance with their terms, (b) receipt by the Company of the exercise price for the Shares as specified in the applicable Warrants, and (c) issuance of the Shares thereunder, the Shares will be validly issued, fully paid, and nonassessable.

This opinion letter has been prepared for use in connection with the Registration Statement. We assume no obligation to advise of any changes in the foregoing subsequent to the effective date of the Registration Statement.

We hereby consent to the filing of this opinion letter as Exhibit 5.1 to the Registration Statement and to the reference to this firm under the caption “**Legal Matters**” in the Prospectus. In giving this consent, we do not thereby admit that we are an “**expert**” within the meaning of the Act.

Very truly yours,

/s/ Hogan Lovells US LLP

HOGAN LOVELLS US LLP

Hogan Lovells US LLP is a limited liability partnership registered in the state of Delaware. “Hogan Lovells” is an international legal practice that includes Hogan Lovells US LLP and Hogan Lovells International LLP, with offices in: Alicante Amsterdam Baltimore Beijing Berlin Birmingham Boston Brussels Colorado Springs Denver Dubai Dublin Dusseldorf Frankfurt Hamburg Hanoi Ho Chi Minh City Hong Kong Houston London Los Angeles Luxembourg Madrid Mexico City Miami Milan Minneapolis Monterrey Munich New York Northern Virginia Paris Philadelphia Riyadh Rome San Francisco São Paulo Shanghai Silicon Valley Singapore Tokyo Washington, D.C. For more information see [www.hoganlovells.com](http://www.hoganlovells.com).

August 26, 2025

STRICTLY CONFIDENTIAL

Bluejay Diagnostics, Inc.  
360 Massachusetts Avenue, Suite 203  
Acton, MA 01720

Attn: Mr. Neil Dey, President, Chief Executive Officer, and Director.

Dear Mr. Dey:

This letter agreement (this "Agreement") constitutes the agreement between Bluejay Diagnostics, Inc. (the "Company") and Rodman & Renshaw LLC or its assignee ("Rodman"), that Rodman shall serve as the exclusive agent, advisor or underwriter in any offering of securities of the Company (the "Securities") during the Term (as hereinafter defined) of this Agreement, including, but not limited to, the restructuring, inducement, exercise solicitation and/or renegotiating the terms of certain warrants to purchase shares of common stock of the Company (each, an "Offering"). The terms of each Offering and the Securities issued in connection therewith shall be mutually agreed upon by the Company and Rodman and nothing herein implies that Rodman would have the power or authority to bind the Company and nothing herein implies that the Company shall have an obligation to issue any Securities. It is understood that Rodman's assistance in an Offering will be subject to the satisfactory completion of such investigation and inquiry into the affairs of the Company as Rodman deems appropriate under the circumstances and to the receipt of all internal approvals of Rodman in connection with an Offering. The Company expressly acknowledges and agrees that Rodman's involvement in an Offering is strictly on a reasonable best efforts basis and that the consummation of an Offering will be subject to, among other things, market conditions. The execution of this Agreement does not constitute a commitment by Rodman to purchase the Securities and does not ensure a successful Offering of the Securities or the success of Rodman with respect to securing any other financing on behalf of the Company. Rodman may retain other underwriters, brokers, dealers, agents or underwriters on its behalf in connection with an Offering.

A. Compensation; Reimbursement. At the closing of each Offering (each, a "Closing"), the Company shall compensate Rodman as follows:

1. *Cash Fee*. The Company shall pay to Rodman a cash fee, or as to an underwritten Offering an underwriter discount, equal to 8.0% of the aggregate gross proceeds raised in each Offering. Upon any exercise for cash of any options or warrants issued to investors in each Offering, the Company shall pay Rodman, within five (5) business days of the Company's receipt of the exercise price, a cash fee of 8.0% of the aggregate gross exercise price paid in cash with respect thereto.
-

2. *Warrant Coverage.* If warrants are issued to investors in an Offering, the Company shall issue to Rodman or its designees at each Closing, warrants (the “Rodman Warrants”) to purchase that number of shares of common stock of the Company equal to 8.0% of the aggregate number of shares of common stock (or common stock equivalents, if applicable) placed in each Offering (and if an Offering includes a “greenshoe” or “additional investment” component, such number of shares of common stock underlying such “greenshoe” or “additional investment” component, with the Rodman Warrants issuable upon the exercise of such component). If the Securities included in an Offering are convertible, the Rodman Warrants shall be determined by dividing the gross proceeds raised in such Offering by the Offering Price (as defined hereunder). The Rodman Warrants shall be in a customary form reasonably acceptable to Rodman, have a term of five (5) years and an exercise price equal to 125% of the offering price per share (or unit, if applicable) in the applicable Offering and if such offering price is not available, the market price of the common stock on the date an Offering is commenced (such price, the “Offering Price”). If warrants are issued to investors in an Offering, the Rodman Warrants shall have the same terms and shall be entitled to the same registration rights as the warrants issued to investors in the applicable Offering, except that such Rodman Warrants shall have an exercise price equal to 125% of the Offering Price.
3. *Expense Allowance.* Out of the proceeds of each Closing, the Company also agrees to pay Rodman (a) \$50,000 for non-accountable expenses; (b) up to \$125,000 for fees and expenses of legal counsel and other out-of-pocket expenses (to be increased to \$150,000 in case a public Offering is contemplated or consummated); plus the additional amount payable by the Company pursuant to Paragraph D.3 hereunder and, if applicable, the costs associated with the use of a third-party electronic road show service (such as NetRoadshow); provided, however, that such amount in no way limits or impairs the indemnification and contribution provisions of this Agreement.
4. *Tail.* Rodman shall be entitled to compensation under clauses (1) and (2) hereunder, calculated in the manner set forth therein, with respect to any public or private offering or other financing or capital-raising transaction of any kind by the Company or any of its affiliates (“Tail Financing”) to the extent that any capital or funds in such Tail Financing is provided to the Company directly or indirectly by investors whom Rodman or its affiliates had contacted during the Term or introduced to the Company during the Term, if such Tail Financing is consummated at any time during the 6-month period following the expiration or termination of this Agreement (the “Tail”). For the avoidance of doubt, the rights and obligations provided for in this Paragraph A.4 shall not apply if a Closing does not occur.
5. *Right of First Refusal.* If, from the date hereof until the 6-month anniversary following consummation of each Offering (subject to FINRA Rule 5110(g)(6)(A)), the Company or any of its subsidiaries decides to raise funds by means of a public offering (including an “at-the-market” facility) or a private placement or any other capital-raising financing of equity, equity-linked or debt securities using an underwriter or placement agent, Rodman (or any affiliate designated by Rodman) shall have the right to act as sole book-running manager, sole underwriter or sole placement agent for such financing. If Rodman or one of its affiliates decides to accept any such engagement, the agreement governing such engagement will contain, among other things, provisions for customary fees for transactions of similar size and nature and the provisions of this Agreement, including indemnification, which are appropriate to such a transaction. For the avoidance of doubt, the rights and obligations provided for in this Paragraph A.5 shall not apply if a Closing does not occur.

**B. Term and Termination of Engagement; Exclusivity.** The term of Rodman's exclusive engagement will begin on the date hereof and end three (3) months following the date of this Agreement (the "Term"), upon which this Agreement shall automatically terminate and expire. Notwithstanding the foregoing and anything to the contrary contained herein, the Company agrees that the provisions relating to the payment of fees, reimbursement of expenses, tail, right of first refusal, indemnification and contribution, confidentiality, conflicts, independent contractor and waiver of the right to trial by jury will survive any termination or expiration of this Agreement. Notwithstanding anything to the contrary contained herein, the Company has the right to terminate the Agreement for cause in compliance with FINRA Rule 5110 (g)(5)(B)(i). The exercise of such right of termination for cause eliminates the Company's obligations with respect to the provisions relating to the tail fees and right of first refusal. Notwithstanding anything to the contrary contained in this Agreement, in the event that an Offering pursuant to this Agreement shall not be carried out for any reason whatsoever during the Term, the Company shall be obligated to pay to Rodman its actual and accountable out-of-pocket expenses related to an Offering (including the fees and disbursements of Rodman's legal counsel) and, if applicable, for electronic road show service used in connection with an Offering. During Rodman's engagement hereunder: (i) the Company will not, and will not permit its representatives to, other than in coordination with Rodman, contact or solicit institutions, corporations or other entities or individuals as potential purchasers of the Securities or investment banks in connection with an Offering and (ii) the Company will not pursue any financing transaction which would be in lieu of an Offering. Furthermore, the Company agrees that during Rodman's engagement hereunder, all inquiries from prospective investors will be referred to Rodman. Additionally, except as set forth hereunder or pursuant to any agreement that Rodman may enter into from time to time with any other registered broker-dealer, the Company represents, warrants and covenants that no brokerage or finder's fees or commissions are or will be payable by the Company or any subsidiary of the Company to any broker, financial advisor or consultant, finder, placement agent, investment banker, bank or other third-party with respect to any Offering.

**C. Information; Reliance.** The Company shall furnish, or cause to be furnished, to Rodman all information requested by Rodman for the purpose of rendering services hereunder and conducting due diligence (all such information being the "Information"). In addition, the Company agrees to make available to Rodman upon request from time to time the officers, directors, accountants, counsel and other advisors of the Company. The Company recognizes and confirms that Rodman (a) will use and rely on the Information, including any documents provided to investors in each Offering (the "Offering Documents") which shall include any Purchase Agreement (as defined hereunder), and on information available from generally recognized public sources in performing the services contemplated by this Agreement without having independently verified the same; (b) does not assume responsibility for the accuracy or completeness of the Offering Documents or the Information and such other information; and (c) will not make an appraisal of any of the assets or liabilities of the Company. Upon reasonable request, the Company will meet with Rodman or its representatives to discuss all information relevant for disclosure in the Offering Documents and will cooperate in any investigation undertaken by Rodman thereof, including any document included or incorporated by reference therein. At each Offering, at the request of Rodman, the Company shall deliver such legal letters (including, without limitation, negative assurance letters), opinions, comfort letters, officers' and secretary certificates and good standing certificates, all in form and substance satisfactory to Rodman and its counsel as is customary for such Offering. Rodman shall be a third party beneficiary of any representations, warranties, covenants, closing conditions and closing deliverables made by the Company in any Offering Documents, including representations, warranties, covenants, closing conditions and closing deliverables made to any investor in an Offering.

D. Related Agreements. At each Offering, the Company shall enter into the following additional agreements, as applicable:

1. *Underwritten Offering*. If an Offering is an underwritten Offering, the Company and Rodman shall enter into a customary underwriting agreement in form and substance satisfactory to Rodman and its counsel.
2. *Best Efforts Offering*. If an Offering is on a best efforts basis, the sale of Securities to the investors in the Offering will be evidenced by a purchase agreement (“Purchase Agreement”) between the Company and such investors in a form reasonably satisfactory to the Company and Rodman. Rodman shall be a third party beneficiary with respect to the representations, warranties, covenants, closing conditions and closing deliverables included in the Purchase Agreement. Prior to the signing of any Purchase Agreement, officers of the Company with responsibility for financial affairs will be available to answer inquiries from prospective investors.
3. *Escrow, Settlement and Closing*. If each Offering is not settled via delivery versus payment (“DVP”), the Company and Rodman shall enter into an escrow agreement with a third party escrow agent pursuant to which Rodman’s compensation and expenses shall be paid from the gross proceeds of the Securities sold. If the Offering is settled in whole or in part via DVP, Rodman shall arrange for its clearing agent to provide the funds to facilitate such settlement; provided, however, if the clearing firm provides the funds in a best efforts offering and subsequent to such delivery an investor fails to provide the necessary funds to the clearing agent for such purchase of Securities, Rodman shall instruct the clearing agent to promptly return any such Securities to the Company and the Company shall promptly return such investor’s purchase price to the clearing agent. The Company shall pay Rodman’s closing costs, which shall also include the reimbursement of the out-of-pocket cost of the escrow agent or clearing agent, as applicable, which closing costs shall not exceed \$15,950.

4. *FINRA Amendments.* Notwithstanding anything herein to the contrary, in the event that Rodman determines that any of the terms provided for hereunder shall not comply with a FINRA rule, including but not limited to FINRA Rule 5110, then the Company shall agree to amend this Agreement (or include such revisions in the final underwriting agreement) in writing upon the request of Rodman to comply with any such rules; provided that any such amendments shall not provide for terms that are less favorable to the Company than are reflected in this Agreement.

E. Confidentiality. In the event of the consummation or public announcement of any Offering, Rodman shall have the right to disclose its participation in such Offering, including, without limitation, the Offering at its cost of “tombstone” advertisements in financial and other newspapers and journals.

F. Indemnity.

1. In connection with the Company’s engagement of Rodman hereunder, the Company hereby agrees to indemnify and hold harmless Rodman and its affiliates, and the respective controlling persons, directors, officers, members, shareholders, agents and employees of any of the foregoing (collectively the “Indemnified Persons”), from and against any and all claims, actions, suits, proceedings (including those of shareholders), damages, liabilities and expenses incurred by any of them (including the reasonable fees and expenses of counsel), as incurred, whether or not the Company is a party thereto (collectively a “Claim”), that are (A) related to or arise out of (i) any actions taken or omitted to be taken (including any untrue statements made or any statements omitted to be made) by the Company, or (ii) any actions taken or omitted to be taken by any Indemnified Person in connection with the Company’s engagement of Rodman, or (B) otherwise relate to or arise out of Rodman’s activities on the Company’s behalf under Rodman’s engagement, and the Company shall reimburse any Indemnified Person for all expenses (including the reasonable fees and expenses of counsel) as incurred by such Indemnified Person in connection with investigating, preparing or defending any such claim, action, suit or proceeding, whether or not in connection with pending or threatened litigation in which any Indemnified Person is a party. The Company will not, however, be responsible for any Claim that is finally judicially determined to have resulted from the gross negligence or willful misconduct of any such Indemnified Person for such Claim. The Company further agrees that no Indemnified Person shall have any liability to the Company for or in connection with the Company’s engagement of Rodman except for any Claim incurred by the Company as a result of such Indemnified Person’s gross negligence or willful misconduct.
2. The Company further agrees that it will not, without the prior written consent of Rodman, settle, compromise or consent to the entry of any judgment in any pending or threatened Claim in respect of which indemnification may be sought hereunder (whether or not any Indemnified Person is an actual or potential party to such Claim), unless such settlement, compromise or consent includes an unconditional, irrevocable release of each Indemnified Person from any and all liability arising out of such Claim.

3. Promptly upon receipt by an Indemnified Person of notice of any complaint or the assertion or institution of any Claim with respect to which indemnification is being sought hereunder, such Indemnified Person shall notify the Company in writing of such complaint or of such assertion or institution but failure to so notify the Company shall not relieve the Company from any obligation it may have hereunder, except and only to the extent such failure results in the forfeiture by the Company of substantial rights and defenses. If the Company is requested by such Indemnified Person, the Company will assume the defense of such Claim, including the employment of counsel for such Indemnified Person and the payment of the fees and expenses of such counsel, provided, however, that such counsel shall be satisfactory to the Indemnified Person, and provided further that if the legal counsel to such Indemnified Person reasonably determines that the use of counsel chosen by the Company to represent such Indemnified Person would present such counsel with a conflict of interest or if the defendant in, or target of, any such Claim, includes an Indemnified Person and the Company, and legal counsel to such Indemnified Person reasonably concludes that there may be legal defenses available to it or other Indemnified Persons different from or in addition to those available to the Company, such Indemnified Person will employ its own separate counsel (including local counsel, if necessary) to represent or defend him, her or it in any such Claim and the Company shall pay the reasonable fees and expenses of such counsel. If such Indemnified Person does not request that the Company assume the defense of such Claim, such Indemnified Person will employ its own separate counsel (including local counsel, if necessary) to represent or defend him, her or it in any such Claim and the Company shall pay the reasonable fees and expenses of such counsel. Notwithstanding anything herein to the contrary, if the Company fails timely or diligently to defend, contest, or otherwise protect against any Claim, the relevant Indemnified Person shall have the right, but not the obligation, to defend, contest, compromise, settle, assert crossclaims, or counterclaims or otherwise protect against the same, and shall be fully indemnified by the Company therefor, including without limitation, for the reasonable fees and expenses of its counsel and all amounts paid as a result of such Claim or the compromise or settlement thereof. In addition, with respect to any Claim in which the Company assumes the defense, the Indemnified Person shall have the right to participate in such Claim and to retain his, her or its own counsel therefor at his, her or its own expense.
4. The Company agrees that if any indemnity sought by an Indemnified Person hereunder is held by a court to be unavailable for any reason then (whether or not Rodman is the Indemnified Person), the Company and Rodman shall contribute to the Claim for which such indemnity is held unavailable in such proportion as is appropriate to reflect the relative benefits to the Company, on the one hand, and Rodman on the other, in connection with Rodman's engagement referred to above, subject to the limitation that in no event shall the amount of Rodman's contribution to such Claim exceed the amount of fees actually received by Rodman from the Company pursuant to Rodman's engagement. The Company hereby agrees that the relative benefits to the Company, on the one hand, and Rodman on the other, with respect to Rodman's engagement shall be deemed to be in the same proportion as (a) the total value paid or proposed to be paid or received by the Company pursuant to the applicable Offering (whether or not consummated) for which Rodman is engaged to render services bears to (b) the fee paid or proposed to be paid to Rodman in connection with such engagement.

5. The Company's indemnity, reimbursement and contribution obligations under this Agreement (a) shall be in addition to, and shall in no way limit or otherwise adversely affect any rights that any Indemnified Person may have at law or at equity and (b) shall be effective whether or not the Company is at fault in any way.

G. Limitation of Engagement to the Company. The Company acknowledges that Rodman has been retained only by the Company, that Rodman is providing services hereunder as an independent contractor (and not in any fiduciary or agency capacity) and that the Company's engagement of Rodman is not deemed to be on behalf of, and is not intended to confer rights upon, any shareholder, owner or partner of the Company or any other person not a party hereto as against Rodman or any of its affiliates, or any of its or their respective officers, directors, controlling persons (within the meaning of Section 15 of the Securities Act or Section 20 of the Securities Exchange Act of 1934, as amended (the "Exchange Act")), employees or agents. Unless otherwise expressly agreed in writing by Rodman, no one other than the Company is authorized to rely upon this Agreement or any other statements or conduct of Rodman, and no one other than the Company is intended to be a beneficiary of this Agreement. The Company acknowledges that any recommendation or advice, written or oral, given by Rodman to the Company in connection with Rodman's engagement is intended solely for the benefit and use of the Company's management and directors in considering a possible Offering, and any such recommendation or advice is not on behalf of, and shall not confer any rights or remedies upon, any other person or be used or relied upon for any other purpose. Rodman shall not have the authority to make any commitment binding on the Company. The Company, in its sole discretion, shall have the right to reject any investor introduced to it by Rodman.

H. Limitation of Rodman's Liability to the Company. Rodman and the Company further agree that neither Rodman nor any of its affiliates or any of its or their respective officers, directors, controlling persons (within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act), employees or agents shall have any liability to the Company, its security holders or creditors, or any person asserting claims on behalf of or in the right of the Company (whether direct or indirect, in contract, tort, for an act of negligence or otherwise) for any losses, fees, damages, liabilities, costs, expenses or equitable relief arising out of or relating to this Agreement or the services rendered hereunder, except for losses, fees, damages, liabilities, costs or expenses that arise out of or are based on any action of or failure to act by Rodman and that are finally judicially determined to have resulted solely from the gross negligence or willful misconduct of Rodman.

I. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of New York applicable to agreements made and to be fully performed therein. Any disputes that arise under this Agreement, even after the termination of this Agreement, will be heard only in the state or federal courts located in the City of New York, State of New York. The parties hereto expressly agree to submit themselves to the jurisdiction of the foregoing courts in the City of New York, State of New York. The parties hereto expressly waive any rights they may have to contest the jurisdiction, venue or authority of any court sitting in the City and State of New York. In the event Rodman or any Indemnified Person is successful in any action, or suit against the Company, arising out of or relating to this Agreement, the final judgment or award entered shall be entitled to have and recover from the Company the costs and expenses incurred in connection therewith, including its reasonable attorneys' fees. Any rights to trial by jury with respect to any such action, proceeding or suit are hereby waived by Rodman and the Company.

J. Notices. All notices hereunder will be in writing and sent by certified mail, hand delivery, overnight delivery or e-mail, if sent to Rodman, at 600 Lexington Avenue, 32nd Floor, New York, New York 10022, e-mail: [dd@rodm.com](mailto:dd@rodm.com), Attention: Head of Investment Banking, and if sent to the Company, to the address set forth on the first page hereof, e-mail: [neil.dey@bluejaydx.com](mailto:neil.dey@bluejaydx.com), Attention: Mr. Neil Dey, President, Chief Executive Officer, and Director. Notices sent by certified mail shall be deemed received five (5) business days thereafter, notices sent by hand delivery or overnight delivery shall be deemed received on the date of the relevant written record of receipt, notices sent by e-mail shall be deemed received as of the date and time they were sent.

K. Conflicts. The Company acknowledges that Rodman and its affiliates may have and may continue to have investment banking and other relationships with parties other than the Company pursuant to which Rodman may acquire information of interest to the Company. Rodman shall have no obligation to disclose such information to the Company or to use such information in connection with any contemplated transaction.

L. Anti-Money Laundering. To help the United States government fight the funding of terrorism and money laundering, the federal laws of the United States require all financial institutions to obtain, verify and record information that identifies each person with whom they do business. This means Rodman must ask the Company for certain identifying information, including a government-issued identification number (e.g., a U.S. taxpayer identification number) and such other information or documents that Rodman considers appropriate to verify the Company's identity, such as certified articles of incorporation, a government-issued business license, a partnership agreement or a trust instrument.

M. Miscellaneous. The Company represents and warrants that it has all requisite power and authority to enter into and carry out the terms and provisions of this Agreement and the execution, delivery and performance of this Agreement does not breach or conflict with any agreement, document or instrument to which it is a party or bound. Furthermore, the Company represents and warrants that no consent, permit, waiver, approval or authorization of any third party in connection with the execution, delivery and performance by the Company of this Agreement or an Offering, is required or has not been obtained. This Agreement shall not be modified or amended except in writing signed by Rodman and the Company. This Agreement shall be binding upon and inure to the benefit of both Rodman and the Company and their respective assigns, successors, and legal representatives. If any provision of this Agreement is determined to be invalid or unenforceable in any respect, such determination will not affect such provision in any other respect, and the remainder of the Agreement shall remain in full force and effect. This Agreement may be executed in counterparts (including electronic counterparts), each of which shall be deemed an original but all of which together shall constitute one and the same instrument. Signatures to this Agreement transmitted by electronic mail in "portable document format" (.pdf) form, or by any other electronic means intended to preserve the original graphic and pictorial appearance of a document, will have the same effect as physical delivery of the paper document bearing the original signature. The undersigned hereby consents to receipt of this Agreement in electronic form and understands and agrees that this Agreement may be signed electronically. In the event that any signature is delivered by electronic mail (including any electronic signature covered by the U.S. federal ESIGN Act of 2000, Uniform Electronic Transactions Act, the Electronic Signatures and Records Act or other applicable law, e.g., [www.docuSign.com](http://www.docuSign.com)) or otherwise by electronic transmission evidencing an intent to sign this Agreement, such electronic mail or other electronic transmission shall create a valid and binding obligation of the undersigned with the same force and effect as if such signature were an original. Execution and delivery of this Agreement by electronic mail or other electronic transmission is legal, valid and binding for all purposes.

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In acknowledgment that the foregoing correctly sets forth the understanding reached by Rodman and the Company, please sign in the space provided below, whereupon this letter shall constitute a binding Agreement as of the date indicated above.

Very truly yours,

**RODMAN & RENSHAW LLC**

By: /s/ David Dinkin

Name: David Dinkin

Title: President

Date: 08/26/2025

Accepted and Agreed:

**BLUEJAY DIAGNOSTICS, INC.**

By: /s/ Neil Dey

Name: Neil Dey

Title: CEO

Date: 08/29/2025

**Consent of Independent Registered Public Accounting Firm**

We consent to the incorporation by reference in this Registration Statement on Form S-3 and related Prospectus of Bluejay Diagnostics, Inc. of our report dated March 31, 2025, relating to the consolidated financial statements of Bluejay Diagnostics, Inc. appearing in the Annual Report on Form 10-K of Bluejay Diagnostics, Inc. for the year ended December 31, 2024.

We also consent to the reference to our firm under the heading “Experts” in such Prospectus.

/s/ Wolf & Company, P.C.

Boston, Massachusetts  
October 23, 2025

## CALCULATION OF FILING FEE TABLES

S-3

## Bluejay Diagnostics, Inc.

Table 1: Newly Registered and Carry Forward Securities

Line Item Type	Security Type	Security Class Title	Notes	Fee Calculation Rule	Amount Registered	Proposed Maximum Offering Price Per Unit	Maximum Aggregate Offering Price	Fee Rate	Amount of Registration Fee
<i>Newly Registered Securities</i>									
Fees to be Paid	Equity	Common Stock, par value \$0.0001 per share	(1)	Other	6,930,000	\$ 2.5950	\$ 17,983,350.00	0.0001381	\$ 2,483.50
						Total Offering Amounts:	<u>\$ 17,983,350.00</u>		<u>2,483.50</u>
						Total Fees Previously Paid:			
						Total Fee Offsets:			<u>0.00</u>
						Net Fee Due:			<u><u>\$ 2,483.50</u></u>

Offering Note(s)

- (1) Pursuant to Rule 416(a) of the Securities Act of 1933, as amended, or the Securities Act, there is also being registered hereby such indeterminate number of additional shares of common stock, par value \$0.0001 per share, of the registrant as may be issued or issuable because of stock splits, stock dividends, stock distributions, and similar transactions.

Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(c) of the Securities Act, on the basis of the average of the high and low prices for a share of the registrant's common stock as reported on the Nasdaq Capital Market on October 21, 2025, which date is a date within five business days of the filing of this registration statement.

Consists of (i) 175,000 shares of common stock, (ii) 2,075,000 shares of common stock issuable upon the exercise of pre-funded warrants, (iii) 4,500,000 shares of common stock issuable upon the exercise of series F warrants and (iv) 180,000 shares of common stock issuable upon the exercise of placement agent warrants.