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Filed Pursuant to Rule 424(b)(5)
Registration No. 333-281392

PROSPECTUS SUPPLEMENT
(To Prospectus dated August 15, 2024)

ORGANOGENESIS

Up to \$75,000,000

Class A Common Stock

We have entered into an At-The-Market Sales Agreement (the “sales agreement”) with BTIG, LLC and Citizens JMP Securities, LLC (collectively, the “sales agents” and each individually, a “sales agent”), dated August 6, 2026, relating to the sale of shares of our Class A common stock offered by this prospectus supplement and the accompanying prospectus. In accordance with the terms of the sales agreement, under this prospectus supplement, we may offer and sell shares of our Class A common stock, \$0.0001 par value per share, having an aggregate offering price of up to \$75,000,000 from time to time through the sales agents, acting as our sales agents.

Our Class A common stock is listed on the Nasdaq Capital Market under the symbol “ORGO.” On August 5, 2026, the last reported sale price of our Class A common stock on the Nasdaq Capital Market was \$2.37 per share.

Sales of shares of our Class A common stock, if any, under this prospectus supplement and the accompanying prospectus will be made by any method permitted that is deemed to be an “at the market offering” as defined in Rule 415(a)(4) promulgated under the Securities Act of 1933, as amended, or the Securities Act. The sales agents are not required to sell any specific number or dollar amount of our Class A common stock, but each will act as our sales agent using commercially reasonable efforts consistent with its normal trading and sales practices, on mutually agreed terms in accordance with the sales agreement. There is no arrangement for funds to be received in any escrow, trust or similar arrangement.

We will pay each sales agent under the terms of the sales agreement a commission up to 3.0% of the aggregate gross proceeds of any shares of Class A common stock sold under the sales agreement. In connection with the sale of the Class A common stock on our behalf, each of the sales agents will be deemed to be an “underwriter” within the meaning of the Securities Act and the compensation of each sales agent will be deemed to be underwriting commissions or discounts. We have also agreed to provide indemnification and contribution to the sales agents with respect to certain liabilities, including liabilities under the Securities Act or the Securities Exchange Act of 1934, as amended (the “Exchange Act”). See “Plan of Distribution” beginning on page S-11 of this prospectus supplement for additional information regarding the compensation to be paid to the sales agents.

Investing in our Class A common stock involves risks. See “[Risk Factors](#)” beginning on page S-5 of this prospectus supplement, page 1 of the accompanying prospectus and in the reports we file with the Securities and Exchange Commission pursuant to the Securities Exchange Act of 1934, as amended, incorporated by reference in this prospectus supplement, before making a decision to invest in our Class A common stock.

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

BTIG

Citizens Capital Markets

The date of this prospectus supplement is August 6, 2026.

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ABOUT THIS PROSPECTUS SUPPLEMENT

This prospectus supplement and the accompanying base prospectus are part of a “shelf” registration statement on Form S-3 that we filed with the U.S. Securities and Exchange Commission, or the SEC, using a “shelf” registration process.

The first part is this prospectus supplement, which describes the specific terms of this offering and also adds to and updates information contained in the accompanying prospectus and the documents incorporated by reference into this prospectus supplement and the accompanying prospectus. The second part is the accompanying prospectus, which gives more general information, some of which may not apply to this offering. Generally, when we refer to this prospectus, we are referring to both the prospectus supplement and the accompanying prospectus. In this prospectus supplement, as permitted by law, we “incorporate by reference” information from other documents that we file with the SEC. This means that we can disclose important information to you from those documents which we may file with the SEC from time to time. The information incorporated by reference is considered to be a part of this prospectus supplement and the accompanying prospectus and should be read with the same care.

When we update the information contained in documents that have been incorporated by reference by making future filings with the SEC, the information included or incorporated by reference in this prospectus supplement is considered to be automatically updated and superseded. In other words, in case of a conflict or inconsistency between information contained in this prospectus supplement and information in the accompanying prospectus or incorporated by reference into this prospectus supplement, you should rely on the information contained in the document that was filed later.

You should not consider any information in this prospectus supplement or the accompanying prospectus to be investment, legal or tax advice. You should consult your own counsel, accountants and other advisers for legal, tax, business, financial and related advice regarding the purchase of the Class A common stock offered by this prospectus supplement. If the description of the offering varies between this prospectus supplement and the accompanying prospectus, you should rely on the information contained in this prospectus supplement.

You should rely only on the information contained or incorporated by reference in this prospectus supplement and the accompanying prospectus. Neither we nor the sales agents have authorized anyone to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not, and each sales agent is not, making an offer of these securities in any state where the offer is not permitted or in which the person making such offer or solicitation is not qualified to do so or to any person to whom it is unlawful to make such offer or solicitation. You should not assume that the information in this prospectus supplement, the accompanying prospectus or any document incorporated by reference is accurate as of any date other than the dates of the respective documents. Our business, financial condition, results of operations and prospects may have changed since that date.

Unless otherwise stated or unless the context otherwise requires, all references to “we,” “us,” “our,” “our company,” “the Company” or “Organogenesis” in this prospectus supplement refer collectively to Organogenesis Holdings Inc. and its subsidiaries.

PROSPECTUS SUPPLEMENT SUMMARY

This summary highlights selected information contained elsewhere in this prospectus supplement and the accompanying prospectus. This summary does not contain all of the information you should consider before investing in our Class A common stock. You should read this entire prospectus supplement and the accompanying prospectus carefully, especially the section in this prospectus supplement titled “Risk Factors,” under the headings “Part I, Item 1A. Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2025, “Part II, Item 1A. Risk Factors” in our subsequent Quarterly Reports on Form 10-Q, and in our other filings with the SEC and our financial statements and the related notes incorporated by reference into this prospectus supplement and the accompanying prospectus, before making an investment decision.

Overview

Organogenesis is a leading regenerative medicine and tissue innovations company focused on empowering healing through the development, manufacturing, and sale of product solutions for the advanced wound care and surgical and sports medicine markets. Our products have been shown through clinical and scientific studies to support and in some cases accelerate tissue healing and improve patient outcomes. We are advancing the standard of care in each phase of the healing process through multiple breakthroughs in tissue engineering and cell therapy. Our solutions address large and growing markets driven by aging demographics and increases in comorbidities such as diabetes, obesity, cardiovascular and peripheral vascular disease. We offer our differentiated products and in-house customer support to a wide range of health care customers including hospitals, wound care centers, government facilities, ASCs and physician offices. Our mission is to advance healing and recovery beyond expectations.

We offer a comprehensive portfolio of products in the markets we serve that address patient needs across the continuum of care. We have and intend to continue to generate data from clinical trials, real-world outcomes and health economics research that validate the clinical efficacy and value proposition offered by our products. Several of our existing and pipeline products in our portfolio have PMA, or 510(k) clearance from the FDA. Given the extensive time and cost required to conduct clinical trials and receive FDA approvals, we believe that our data and regulatory approvals provide us with a strong competitive advantage. Our product development expertise and multiple technology platforms provide a robust product pipeline, which we believe will drive future growth.

In the Advanced Wound Care market, we focus on the development and commercialization of advanced wound care products for the treatment of chronic and acute wounds in various treatment settings. We have a comprehensive portfolio of regenerative medicine products capable of supporting patients from early in the wound healing process through wound closure regardless of wound type. Our Advanced Wound Care products include Apligraf for the treatment of VLU and DFUs; Dermagraft for the treatment of DFUs (manufacturing and distribution currently suspended pending transition to our new manufacturing facility in Smithfield, RI); PuraPly AM and PuraPly XT as antimicrobial barriers and native, cross-linked extracellular matrix (ECM) scaffold for a broad variety of wound types; CYGNUS Matrix as a dehydrated placental allograft that promotes an optimal environment for wound healing; Affinity and NuShield as placental allografts to address a variety of wound sizes and types as a protective barrier and ECM scaffold, and AmchoThick as a dehydrated amnion-chorion-amnion placental allograft that provides a protective barrier and supports an optimal environment for healing. We have a highly trained and specialized direct wound care sales force paired with comprehensive customer support services.

In the Surgical & Sports Medicine market, we are leveraging our broad regenerative medicine capabilities to address chronic and acute surgical wounds and tendon and ligament injuries. Our Sports Medicine products include NuShield and Cygnus Matrix for surgical applications in targeted soft tissue repairs; and Affinity,

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PuraPly MZ, PuraPly AM, and PuraPly SX for management of open wounds in the surgical setting. We currently sell these products through independent agencies and our direct sales force.

In April 2026, we announced the completion of our rolling Biologics License Application (BLA) submission to the FDA for ReNu. ReNu is a cryopreserved, amniotic suspension allograft developed for the treatment of pain in symptomatic knee osteoarthritis (OA). The FDA accepted our BLA filing for ReNu in July 2026 and has set a Prescription Drug User Fee Act (PDUFA) target action date of April 24, 2027. If approved, ReNu would be the first non-surgical biologic therapy to address knee OA pain for all patients, especially for those classified as most severe. Knee OA is a degenerative joint disease that is estimated to affect nearly 31 million Americans and projected to grow to 34.4 million Americans by 2027. It is ranked among the most common causes of disability and poor quality of life, generally characterized by pain and functionality deficits. End stage management of the disease in these patients is typically a total knee replacement when all other treatment options are exhausted.

Corporate Information

We were formerly a special purpose acquisition company, incorporated under the laws of the Cayman Islands on December 4, 2015 under the name Avista Healthcare Public Acquisition Corp. (AHPAC), for the purpose of effecting a merger, share exchange, asset acquisition, share purchase, reorganization or similar business combination with one or more businesses. On December 10, 2018, pursuant to the terms of that certain Agreement and Plan of Merger, dated as of August 17, 2018, by and among AHPAC, Avista Healthcare Merger Sub, Inc. (Merger Sub) and Organogenesis Inc., (i) AHPAC transferred by way of continuation out of the Cayman Islands into the State of Delaware as a corporation incorporated under the laws of the State of Delaware under Section 388 of the Delaware General Corporation Law; and (ii) Merger Sub merged with and into Organogenesis Inc., with Organogenesis Inc. surviving as a direct wholly owned subsidiary of AHPAC, which changed its name to Organogenesis Holdings Inc..

Our principal executive offices are located at 85 Dan Road, Canton, MA 02021, and our telephone number is (781) 575-0775. Our corporate website address is www.organogenesis.com. The information contained in, and that can be accessed through, our website is not incorporated into and does not form a part of this prospectus supplement or the accompanying prospectus.

THE OFFERING

Class A common stock offered by us	Shares of our Class A common stock having an aggregate offering price of up to \$75 million.
Class A common stock to be outstanding immediately after this offering	Up to 160,320,117 shares (as more fully described in the notes following this table), assuming sales of 31,645,569 shares of our Class A common stock in this offering at an offering price of \$2.37 per share, which was the last reported sale price of our Class A common shares on the Nasdaq Capital Market on August 5, 2026. The actual number of shares issued will vary depending on the sales price under this offering.
Plan of Distribution	“At the market offering” that may be made from time to time through our sales agents, BTIG, LLC and Citizens JMP Securities, LLC. See “Plan of Distribution” on page S-11 of this prospectus supplement.
Use of Proceeds	We currently intend to use the net proceeds from this offering, together with our existing cash, cash equivalents and short-term and long-term investments for working capital and general corporate purposes, including, but not limited to, facility expansion and manufacturing enhancements, salesforce expansion and to conduct clinical studies of, obtain regulatory approvals and additional commercial insurance coverage for, our products. See “Use of Proceeds” on page S-8 of this prospectus supplement for more information.
Risk Factors	Investing in our Class A common stock involves significant risks. Before making an investment decision, please read the information contained in and incorporated by reference under the heading “Risk Factors” beginning on page S-4 of this prospectus supplement, and under similar headings in other documents that are incorporated by reference into this prospectus supplement and the accompanying prospectus.
The Nasdaq Capital Market symbol	“ORGO”

The above discussion and table are based on 128,674,548 shares of Class A common stock outstanding as of June 30, 2026, and excludes:

- 13,055,928 shares of Class A common stock issuable upon the exercise of options outstanding as of June 30, 2026 under our 2018 Equity Incentive Plan, or 2018 Plan, and our 2003 Stock Incentive Plan, or 2003 Plan, at a weighted average exercise price of \$4.43 per share;
- 5,610,677 shares of our Class A common stock issuable upon vesting and settlement of outstanding restricted stock units and performance share units as of June 30, 2026 under our 2018 Plan;
- 8,593,198 shares of Class A common stock reserved for future issuance under our 2018 Plan; and

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- 39,023,068 shares of Class A common stock issuable upon conversion of 130,000 shares of our Series A redeemable convertible preferred stock, \$0.0001 par value (Convertible Preferred Stock), outstanding as of June 30, 2026.

Unless otherwise indicated, all information in this prospectus supplement reflects or assumes no exercise or forfeiture of any outstanding options or settlement of restricted stock units and performance share units since June 30, 2026 and no conversion of any of our Convertible Preferred Stock outstanding as of June 30, 2026.

RISK FACTORS

Investing in our Class A common stock involves a high degree of risk. Before making a decision to invest in our Class A common stock, you should consider carefully the risks and uncertainties described under the heading “Risk Factors” contained or incorporated by reference in this prospectus supplement and the accompanying prospectus, including the risk factors incorporated by reference herein from our most recent Annual Report on Form 10-K, as may be updated by our subsequent Quarterly Reports on Form 10-Q and other filings we make with the SEC. The risks described in these documents are not the only ones we face. There may be other unknown or unpredictable economic, business, competitive, regulatory or other factors that could harm our future results. Past financial performance may not be a reliable indicator of future performance, and historical trends should not be used to anticipate results or trends in future periods. If any of these risks actually occurs, our business, financial condition, results of operations or cash flow could be harmed. This could cause the trading price of our Class A common stock to decline, resulting in a loss of all or part of your investment. Please also read carefully the section below titled “Cautionary Note Regarding Forward-Looking Statements.” Additional risks not known to us or that we believe are immaterial may also significantly impair our business operations and could result in a loss of all or part of your investment in our Class A common stock.

Additional risks related to the offering

We will have broad discretion in the use of the net proceeds from this offering and may not use them effectively.

We cannot specify with certainty the particular uses of the net proceeds we will receive from this offering. Our management will have broad discretion in the application of the net proceeds. We currently intend to use the net proceeds from this offering, if any, together with our existing cash, cash equivalents and short-term and long-term investments, for working capital and general corporate purposes, including, but not limited to, facility expansion and manufacturing enhancements, salesforce expansion and to conduct clinical studies of, obtain regulatory approvals and additional commercial insurance coverage for, our products. Our management may spend a portion or all of the net proceeds from this offering in ways that our stockholders may not desire or that may not yield a favorable return. The failure by our management to apply these funds effectively could harm our business, financial condition, results of operations and prospects. Pending their use, we may invest the net proceeds from this offering in a manner that does not produce income or that loses value.

If you purchase our Class A common stock in this offering, you may experience immediate and substantial dilution in the net tangible book value of your shares.

The offering price per share in this offering may exceed the net tangible book value per share of our Class A common stock outstanding prior to this offering. Assuming that an aggregate of 31,645,569 shares of our Class A common stock are sold at a price of \$2.37 per share, the last reported sale price of our Class A common stock on the Nasdaq Capital Market on August 5, 2026, for aggregate gross proceeds of \$75 million, and after deducting 3.0% of commissions as well as estimated offering expenses payable by us, you would experience immediate dilution of \$0.32 per share, representing the difference between our as-adjusted net tangible book value per share as of June 30, 2026 after giving effect to this offering and the assumed public offering price. The exercise of outstanding stock options would result in further dilution of your investment. See the section titled “Dilution” below for a more detailed illustration of the dilution you would incur if you participate in this offering. Because the sales of the shares offered hereby will be made directly into the market or in negotiated transactions, the prices at which we sell these shares will vary and these variations may be significant. Purchasers of the shares we sell, as well as our existing stockholders, will experience significant dilution if we sell shares at prices significantly below the price at which they invested.

Further, the terms of our Convertible Preferred Stock include anti-dilution price protection which provides for an adjustment to the conversion price, and a corresponding increase in the number of shares of Class A common stock issuable on conversion of such Convertible Preferred Stock, if we sell shares of our Class A common stock at a per share price below the conversion price for the Convertible Preferred Stock, which was initially \$3.7917 per share. Therefore, unless we receive waivers from the holders of our outstanding Convertible

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Preferred Stock, to the extent we sell shares in this offering at prices that are lower than the conversion price at such time, the conversion price will automatically be reduced on a weighted average basis in accordance with the terms of the certificate of designations for the Convertible Preferred Stock, and the shares of Class A common stock issuable upon conversion of the Convertible Preferred Stock will be proportionately higher. This would cause additional dilution to purchasers of the shares we sell, as well as our existing stockholders. Additionally, because we may wish to avoid such an outcome, our ability to raise capital under the sales agreement may be reduced if the trading price of our Class A common stock is lower than the conversion price. Assuming that an aggregate of 31,645,569 shares of our Class A common stock are sold at a price of \$2.37 per share, the last reported sale price of our Class A common stock on the Nasdaq Capital Market on August 5, 2026, the conversion price of the Convertible Preferred Stock would be adjusted to \$3.51 per share and the number of shares of Class A common stock issuable upon conversion of the Convertible Preferred Stock as of June 30, 2026 adjusted on a pro forma basis for the decrease in the conversion price, would increase from 39,023,068 shares to 42,142,023 shares.

Future sales or issuances of our Class A common stock in the public markets, or the perception of such sales, could depress the trading price of our Class A common stock.

The sale of a substantial number of shares of our Class A common stock or other equity-related securities in the public markets, or the perception that such sales could occur, could depress the market price of our Class A common stock and impair our ability to raise capital through the sale of additional equity securities. We may sell large quantities of our Class A common stock at any time pursuant to this prospectus supplement or in one or more separate offerings. We cannot predict the effect that future sales of Class A common stock or other equity-related securities would have on the market price of our Class A common stock.

Future issuances of our Class A common stock or our other equity securities could further depress the market for our Class A common stock. We expect to continue to incur commercialization, drug development and selling, general and administrative costs, and to satisfy our funding requirements, we may need to sell additional equity securities. The sale or the proposed sale of substantial amounts of our Class A common stock or our other equity securities may adversely affect the market price of our Class A common stock and our stock price may decline substantially. We may sell shares or other securities in any other offering at a price per share that is less than the price per share paid by investors in this offering. Our stockholders may experience substantial dilution and a reduction in the price that they are able to obtain upon sale of their shares. New equity securities issued may have greater rights, preferences or privileges than our existing Class A common stock.

It is not possible to predict the actual number of shares we will sell under the sales agreement, or the gross proceeds resulting from those sales.

Subject to certain limitations in the sales agreement and compliance with applicable law, we have the discretion to deliver instruction to the sales agents to sell shares of our Class A common stock at any time throughout the term of the sales agreement. The number of shares, if any, that are sold through the sales agents after our instruction will fluctuate based on a number of factors, including the market price of our Class A common stock during the sales period, the limits we set with the sales agents in any instruction to sell shares, and the demand for our Class A common stock during the sales period. Because the price per share of each share sold, if any, will fluctuate during this offering, it is not currently possible to predict the number of shares that will be sold or the gross proceeds to be raised in connection with those sales.

The Class A common stock offered hereby will be sold in “at the market offerings,” and investors who buy shares at different times will likely pay different prices.

Investors who purchase shares in this offering at different times will likely pay different prices, and so may experience different outcomes in their investment results. We will have discretion, subject to market demand, to vary the timing, prices, and numbers of shares sold, and there is no predetermined minimum or maximum sales price. Investors may experience a decline in the value of their shares as a result of share sales made at prices lower than the prices they paid.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus supplement and the accompanying prospectus, including the documents incorporated or deemed to be incorporated by reference into this prospectus supplement and the accompanying prospectus, include “forward-looking statements” within the meaning of Section 27A of the Securities Act, and Section 21E of the Exchange Act. All statements, other than statements of historical facts, contained or incorporated by reference in this prospectus supplement and the accompanying prospectus, including statements regarding our business, operations and financial performance and condition, as well as our plans, objectives and expectations for our business operations and financial performance and condition, as well as assumptions relating to the foregoing, are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as “aim,” “anticipate,” “assume,” “believe,” “contemplate,” “continue,” “could,” “due,” “estimate,” “expect,” “goal,” “intend,” “may,” “objective,” “plan,” “predict,” “potential,” “positioned,” “seek,” “should,” “target,” “will,” “would,” and other similar expressions that are predictions of or indicate future events and future trends, or the negative of these terms or other comparable terminology. These forward-looking statements include, but are not limited to, statements regarding our strategy, operations, financial position, projected costs, prospects, plans and objectives of management and other statements of expectations, beliefs, future plans and strategies, statements about research and clinical development plans and the timing for regulatory approval of certain of our products including ReNu, liquidity and capital needs and statements regarding anticipated use of proceeds from this offering, estimates of our cash, cash equivalents and marketable securities as of June 30, 2026, our beliefs about the length of time over which our capital resources will be sufficient to meet our anticipated cash requirements, anticipated events or trends and similar expressions. These forward-looking statements are based on our management’s current expectations, estimates, forecasts and projections about our business and the industry in which we operate and our management’s beliefs and assumptions. These forward-looking statements are not guarantees of future performance or development and involve known and unknown risks, uncertainties and other factors that are in some cases beyond our control. As a result, any or all of our forward-looking statements in this prospectus supplement, the accompanying prospectus and the information incorporated by reference in this prospectus supplement and the accompanying prospectus may turn out to be inaccurate.

Factors that may cause actual results to differ materially from current expectations include, among other things, (1) those listed under the “Risk Factors” section of this prospectus supplement, the accompanying prospectus, any related free writing prospectus, (2) the impact of any changes to the coverage and reimbursement levels for our products, particularly in light of CMS’ updated 2026 Medicare reimbursement and coverage changes; (3) we face significant and continuing competition, which could adversely affect our business, results of operations and financial condition; (4) rapid technological change could cause our products to become obsolete and if we do not enhance our product offerings through our research and development efforts, we may be unable to effectively compete; (5) to be commercially successful, we must convince physicians that our products are safe and effective alternatives to existing treatments and that our products should be used in their procedures; (6) our ability to raise funds to expand our business; (7) we have incurred losses in the prior periods and may incur losses in the future; (8) changes in applicable laws or regulations; (9) the possibility that we may be adversely affected by other economic, business, and/or competitive factors; (10) our ability to maintain production or obtain supply of our products in sufficient quantities to meet demand; (11) our ability to build out our Smithfield, Rhode Island facility on time and on budget; (12) whether we are able to obtain regulatory approval for and successfully commercialize ReNu; and (13) other risks and uncertainties described in our filings with the Securities and Exchange Commission, including our most recent Annual Report on Form 10-K, any subsequent Quarterly Reports on Form 10-Q and any Current Reports on Form 8-K filed subsequent to the end of the year covered by such annual report. Moreover, we operate in a very competitive and rapidly changing environment. New risks emerge from time to time. You should not rely upon forward-looking statements as predictions of future events. Our forward-looking statements do not reflect the potential impact of any future acquisitions, mergers, dispositions, joint ventures or investments that we may make. Except as required by law, we assume no obligation to update or revise these forward-looking statements for any reason, even if new information becomes available in the future. In that respect, we wish to caution readers not to place undue

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reliance on any such forward-looking statements, which speak only as of the date they are made. You should read this prospectus supplement, the accompanying prospectus, the documents that we reference in the prospectus supplement and the accompanying prospectus and the documents that we have filed as exhibits to the registration statement of which this prospectus supplement and the accompanying prospectus are a part completely and with the understanding that our actual future results may be materially different from what we expect.

This prospectus supplement, the accompanying prospectus and the information incorporated by reference into this prospectus supplement and the accompanying prospectus also contain estimates and other information concerning our industry and the markets for certain diseases, including data regarding the estimated size of those markets, and the incidence and prevalence of certain medical conditions. Unless otherwise expressly stated, we obtained this industry, market and other data from reports, research surveys, studies and similar data prepared by market research firms and other third parties, industry, medical and general publications, government data and similar sources.

In addition, statements that “we believe” and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date of this prospectus supplement, and while we believe such information forms a reasonable basis for such statements and our management is responsible for the accuracy of such statements, such information may be limited or incomplete, and our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and you are cautioned not to unduly rely upon these statements

USE OF PROCEEDS

We may issue and sell shares of our Class A common stock having aggregate sales proceeds of up to \$75 million from time to time. Because there is no minimum offering price for the shares that we may offer from time to time, the actual total public offering amount, commissions and proceeds to us, if any, are not determinable at this time. There can be no assurance that we will sell any shares under or fully utilize the sales agreement with the sales agents as a source of financing.

We currently intend to use the net proceeds from the sale of shares of our Class A common stock in this offering, together with our existing cash, cash equivalents and short-term and long-term investments, for working capital and general corporate purposes, including, but not limited to, facility expansion and manufacturing enhancements, salesforce expansion and to conduct clinical studies of, obtain regulatory approvals and additional commercial insurance coverage for our products.

As of the date of this prospectus supplement, we cannot predict with certainty all of the particular uses for the net proceeds from this offering or the amounts that we will actually spend on the uses set forth above. As a result, our management will have broad discretion regarding the timing and application of the net proceeds from this offering. Pending their use, we intend to invest the net proceeds of this offering in cash items, certificates of deposit or direct or guaranteed obligations of the United States government.

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DILUTION

Our net tangible book value as of June 30, 2026 was approximately \$256.4 million, or \$1.99 per share. Net tangible book value is total assets minus the sum of liabilities, goodwill and intangible assets. Net tangible book value per share is net tangible book value divided by the total number of shares of Class A common stock outstanding as of June 30, 2026.

After giving effect to the sale of up to 31,645,569 shares of our Class A common stock in this offering at an assumed public offering price of \$2.37 per share, the last reported sale price of our Class A common stock on the Nasdaq Capital Market on August 5, 2026, and after deducting 3.0% in commissions as well as estimated offering expenses payable by us, our as-adjusted net tangible book value as of June 30, 2026 would have been approximately \$328.8 million, or \$2.05 per share. This represents an immediate increase in net tangible book value of \$0.06 per share to existing stockholders and immediate dilution of \$0.32 per share to investors purchasing our Class A common stock in this offering at the assumed public offering price.

The following table illustrates this dilution on a per share basis. The as-adjusted information is illustrative only and will change based on the actual price to the public, the actual number of shares sold and other terms of the offering determined at the time shares of our Class A common stock are sold pursuant to this prospectus supplement. The as-adjusted information assumes that all of our Class A common stock in the aggregate amount of \$75 million is sold at the assumed public offering price of \$2.37 per share, the last reported sale price of our Class A common stock on the Nasdaq Capital Market on August 5, 2026. The shares sold in this offering, if any, will be sold from time to time at various prices.

Assumed public offering price per share	\$2.37
Net tangible book value per share as of June 30, 2026	\$1.99
Increase in net tangible book value per share attributable to this offering	\$0.06
As-adjusted net tangible book value per share as of June 30, 2026, after giving effect to this offering	\$2.05
Dilution per share to new investors purchasing our Class A common stock in this offering	<u>\$0.32</u>

An increase of \$1.00 per share in the price at which the shares are sold from the assumed public offering price of \$2.37 per share shown in the table above, assuming all of our Class A common stock in the aggregate amount of \$75 million during the term of the sales agreement with the sales agents is sold at that price, would increase our as-adjusted net tangible book value per share to \$2.18 per share and would increase the dilution in net tangible book value per share to new investors in this offering to \$1.19 per share, after deducting 3.0% in commissions as well as estimated offering expenses payable by us. A decrease of \$1.00 per share in the price at which the shares are sold from the assumed public offering price of \$2.37 per share shown in the table above, assuming all of our Class A common stock in the aggregate amount of \$75 million during the term of the sales agreement with the sales agents is sold at that price, would decrease our as-adjusted net tangible book value per share to \$1.79 per share and would decrease the dilution in net tangible book value per share to new investors in this offering to \$0.42 per share, after deducting 3.0% in commissions as well as estimated offering expenses payable by us. The information discussed above is illustrative only and will adjust based on the actual public offering price, the actual number of shares that we offer in this offering, and other terms of this offering determined at the time of each offer and sale.

The above discussion and table are based on 128,674,548 shares of Class A common stock outstanding as of June 30, 2026, and excludes:

- 13,055,928 shares of Class A common stock issuable upon the exercise of options outstanding as of June 30, 2026 under our 2018 Equity Incentive Plan, or 2018 Plan, and our 2003 Stock Incentive Plan, or 2003 Plan, at a weighted average exercise price of \$4.43 per share;

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- 5,610,677 shares of our Class A common stock issuable upon vesting and settlement of outstanding restricted stock units and performance share units as of June 30, 2026 under our 2018 Plan;
- 8,593,198 shares of Class A common stock reserved for future issuance under our 2018 Plan; and
- 39,023,068 shares of Class A common stock issuable upon conversion of 130,000 shares of our Convertible Preferred Stock, outstanding as of June 30, 2026. Assuming that an aggregate of 31,645,569 shares of our Class A common stock are sold in this offering at a price of \$2.37 per share, which is the last reported sale price of our Class A common stock on the Nasdaq Capital Market on August 5, 2026, the conversion price of the Convertible Preferred Stock would be adjusted to \$3.51 per share and the number of shares of Class A common stock issuable upon conversion of the Convertible Preferred Stock as of June 30, 2026, adjusted on a pro forma basis for the decrease in the conversion price, would increase to an aggregate of 42,142,023 shares of Class A common stock.

PLAN OF DISTRIBUTION

We have entered into the At-The-Market Sales Agreement, dated August 6, 2026 (the “sales agreement”) with BTIG, LLC and Citizens JMP Securities, LLC as our sales agents, under which we may offer and sell shares of our Class A common stock from time to time through either sales agent. In accordance with the terms of the sales agreement and pursuant to this prospectus supplement, we may now offer and sell shares of our Class A common stock having an aggregate offering price of up to \$75 million from time to time through either sales agent. A copy of the sales agreement will be filed as an exhibit to a current report on Form 8-K filed under the Exchange Act and incorporated by reference in this prospectus supplement.

The sales agents will use commercially reasonable efforts to sell on our behalf all shares of our Class A common stock requested to be sold by us, consistent with their normal trading and sales practices, under the terms and subject to the conditions set forth in the sales agreement. We may instruct the sales agents not to sell our shares of Class A common stock if the sales cannot be effected at or above the price designated by us in any instruction. We or the sales agents may suspend the offering of our Class A common stock upon proper notice and subject to other conditions, as further described in the sales agreement.

Upon delivery of a placement notice, and subject to our instructions in that notice and the terms and conditions of the sales agreement generally, the sales agents may sell our Class A common stock by any method permitted by law that is deemed to be an “at the market offering” as defined in Rule 415(a)(4) promulgated under the Securities Act, including sales made directly on or through Nasdaq or on any other existing trading market for our Class A common stock, or any other method permitted by applicable law. The sales agents will provide written confirmation to us no later than the opening on the Nasdaq Capital Market on the day following each day on which shares of our Class A common stock are sold under the sales agreement. Each confirmation will include the number of shares sold on that day, the compensation payable by us to the sales agents and the net proceeds payable to us.

We will pay the sales agents commissions for their services in acting as sales agents in the sale of our Class A common stock. The sales agents will be entitled to compensation in an amount of up to 3.0% of the gross sales price of the Class A common stock sold through them as sales agents under the sales agreement. We have also agreed to reimburse the sales agents for the out-of-pocket reasonable fees and disbursements of their legal counsel in an amount not to exceed \$75,000 in connection with the establishment of this “at the market offering” program in addition to certain ongoing disbursements of its legal counsel. We estimate that the total expenses for this offering, excluding compensation payable to the sales agents under the terms of the sales agreement, will be approximately \$300,000.

Settlement for sales of our Class A common stock will occur on the first business day following the date on which any such sales are made, or on some other date that is agreed upon by us and the sales agents in connection with a particular transaction, in return for payment of the net proceeds to us. Sales of our Class A common stock as contemplated in this prospectus will be settled through the facilities of The Depository Trust Company or by such other means as we and the sales agents may agree upon. There is no arrangement for funds to be received in an escrow, trust or similar arrangement.

We will report at least quarterly the number of shares of our Class A common stock sold through the sales agents under the sales agreement, and the net proceeds to us in connection with such sales.

The sales agents and their respective affiliates have from time to time provided, and may in the future provide, various investment banking, commercial banking, fiduciary and advisory services for us for which they have received, and may in the future receive, customary fees and expenses. The sales agents and their respective affiliates may from time to time engage in other transactions with and perform services for us in the ordinary course of their business.

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In connection with the sale of our Class A common stock on our behalf, the sales agents will be deemed to be underwriters within the meaning of the Securities Act, and the compensation paid by us to the sales agents will be deemed to be underwriting commissions or discounts. We have agreed to indemnify the sales agents against specified liabilities, including liabilities under the Securities Act. We have also agreed to contribute to payments that the sales agents may be required to make because of such liabilities.

The offering of our Class A common stock pursuant to the sales agreement will terminate upon termination of the sales agreement. The sales agreement may be terminated by either sales agent or us at any time upon specified prior written notice.

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WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public over the Internet at the SEC's website at www.sec.gov. Copies of certain information filed by us with the SEC are also available on our website at www.organogenesis.com. Our website is not a part of this prospectus supplement and the accompanying prospectus and is not incorporated by reference in this prospectus supplement and the accompanying prospectus.

This prospectus supplement and the accompanying prospectus are part of a registration statement we filed with the SEC and omit some information contained in the registration statement in accordance with SEC rules and regulations. You should review the information and exhibits in the registration statement for further information about us and our consolidated subsidiary and the securities we are offering. Statements in this prospectus supplement or the accompanying prospectus concerning any document we filed as an exhibit to the registration statement or that we otherwise filed with the SEC are not intended to be comprehensive and are qualified by reference to these filings. You should review the complete document to evaluate these statements.

INFORMATION INCORPORATED BY REFERENCE

The SEC allows us to "incorporate by reference" information into this prospectus supplement. This means that we can disclose important information to you by referring you to another document filed separately with the SEC. The information that we incorporate by reference in this prospectus supplement is considered to be part of this prospectus supplement. Because we are incorporating by reference future filings with the SEC, this prospectus is continually updated and those future filings may modify or supersede some of the information included or incorporated in this prospectus supplement. This means that you must look at all of the SEC filings that we incorporate by reference to determine if any of the statements in this prospectus supplement or in any document previously incorporated by reference have been modified or superseded. This prospectus supplement incorporates by reference the documents listed below (File No. 001-37906) and any future filings we make with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (other than documents or information deemed to have been furnished and not filed in accordance with SEC rules) until the offering of the securities under the registration statement is terminated or completed:

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2025, filed with the SEC on [February 26, 2026](#), and the portions of our Definitive Proxy Statement on Schedule 14A filed with the SEC on [April 30, 2026](#) and incorporated by reference in our Annual Report on Form 10-K for the fiscal year ended December 31, 2025;
- our Quarterly Reports on Form 10-Q for the fiscal quarters ended March 31, 2026 and June 30, 2026, filed with the SEC on [May 7, 2026](#) and [August 6, 2026](#), respectively;
- our Current Reports on Form 8-K (other than information furnished rather than filed) filed with the SEC on [February 23, 2026](#) and [June 16, 2026](#); and
- the description of our Class A common stock contained in our Registration Statement on Form 8-A filed with the SEC on [October 5, 2016](#), including any amendment or report filed for the purpose of updating such description, including [Exhibit 4.1](#) to our Annual Report on Form 10-K for the year ended December 31, 2025.

Upon oral or written request and at no cost to the requester, we will provide to each person, including any beneficial owner, to whom this prospectus supplement and accompanying prospectus is delivered, a copy of any or all of the information that has been incorporated by reference in this prospectus supplement and accompanying prospectus but not delivered with this prospectus supplement and accompanying prospectus. You may obtain copies of these documents, at no cost to you, from our website (www.organogenesis.com), or by writing or telephoning us at the following address: Organogenesis Holdings Inc., 85 Dan Road, Canton, MA 02021, (781) 575-0775. As noted above, our website is not a part of this prospectus supplement and accompanying prospectus and is not incorporated by reference in this prospectus supplement and accompanying prospectus.

LEGAL MATTERS

The validity of the shares of Class A common stock offered by this prospectus supplement will be passed upon for us by Foley Hoag LLP, Boston, Massachusetts. The sales agents are being represented in connection with this offering by DLA Piper LLP (US), New York, New York.

EXPERTS

The consolidated financial statements of Organogenesis Holdings Inc. as of December 31, 2025 and 2024 and for each of the years in the three-year period ended December 31, 2025 and the effectiveness of internal control over financial reporting as of December 31, 2025 incorporated in this Prospectus Supplement by reference from the Organogenesis Holdings Inc. Annual Report on Form 10-K for the year ended December 31, 2025 have been audited by RSM US LLP, an independent registered public accounting firm, as stated in their reports thereon, incorporated herein by reference, and have been incorporated in this Prospectus Supplement in reliance upon such reports and upon the authority of such firm as experts in accounting and auditing.

Prospectus

ORGANOGENESIS

\$250,000,000
Class A Common Stock
Preferred Stock
Debt Securities
Warrants
Units

50,000,000 Shares of Class A Common Stock
Offered by the Selling Securityholders

We may offer and sell up to \$250.0 million in the aggregate of the securities identified above, and the selling securityholders may offer and sell up to 50,000,000 shares in the aggregate of Class A common stock identified above, in each case from time to time in one or more offerings. This prospectus provides you with a general description of the securities. We will not receive any proceeds from the sale of our Class A common stock by the selling securityholders.

Each time we or any of the selling securityholders offer and sell securities, we or such selling securityholders will provide a supplement to this prospectus that contains specific information about the offering and, if applicable, the selling securityholders, as well as the amounts, prices and terms of the securities. The supplement may also add, update or change information contained in this prospectus with respect to that offering. You should carefully read this prospectus and the applicable prospectus supplement before you invest in any of our securities.

We may offer and sell the securities described in this prospectus and any prospectus supplement to or through one or more underwriters, dealers and agents, or directly to purchasers, or through a combination of these methods. In addition, the selling securityholders may offer and sell shares of our Class A common stock from time to time, together or separately. If any underwriters, dealers or agents are involved in the sale of any of the securities, their names and any applicable purchase price, fee, commission or discount arrangement between or among them will be set forth, or will be calculable from the information set forth, in the applicable prospectus supplement. See the sections of this prospectus entitled “About this Prospectus” and “Plan of Distribution” for more information. No securities may be sold without delivery of this prospectus and the applicable prospectus supplement describing the method and terms of the offering of such securities.

Our Class A common stock is listed on the Nasdaq Capital Market under the symbol “ORGO.” On August 7, 2024, the last reported sale price of our Class A common stock on the Nasdaq Capital Market was \$2.50 per share. There is currently no market for the other securities we may offer.

Investing in these securities involves significant risks. See “[Risk Factors](#)” on page 1 of this prospectus as well as those included in any accompanying prospectus supplement and in the documents incorporated by reference in this prospectus for a discussion of the factors you should carefully consider before deciding to purchase these securities.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities, or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is August 15, 2024.

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission, which we refer to as the SEC, utilizing a “shelf” registration process. By using a shelf registration statement, we may sell securities from time to time and in one or more offerings up to a total dollar amount of \$250.0 million and the selling securityholders to be named in a supplement to this prospectus may, from time to time, sell up to 50,000,000 shares of Class A common stock from time to time in one or more offerings as described in this prospectus. Each time that we or the selling securityholders offer and sell securities, we or the selling securityholders will provide a prospectus supplement to this prospectus that contains specific information about the securities being offered and sold and the specific terms of that offering. We may also authorize one or more free writing prospectuses to be provided to you that may contain material information relating to these offerings. The prospectus supplement or free writing prospectus may also add, update or change information contained in this prospectus with respect to that offering. If there is any inconsistency between the information in this prospectus and the applicable prospectus supplement or free writing prospectus, you should rely on the prospectus supplement or free writing prospectus, as applicable. Before purchasing any securities, you should carefully read both this prospectus and the applicable prospectus supplement (and any applicable free writing prospectuses), together with the additional information described under the heading “Where You Can Find More Information; Incorporation by Reference.”

Neither we, nor the selling securityholders, have authorized anyone to provide you with any information or to make any representations other than those contained in this prospectus, any applicable prospectus supplement or any free writing prospectuses prepared by or on behalf of us or to which we have referred you. We and the selling securityholders take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. We and the selling securityholders will not make an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus and the applicable prospectus supplement to this prospectus is accurate only as of the date on its respective cover, that the information appearing in any applicable free writing prospectus is accurate only as of the date of that free writing prospectus, and that any information incorporated by reference is accurate only as of the date of the document incorporated by reference, unless we indicate otherwise. Our business, financial condition, results of operations and prospects may have changed since those dates. This prospectus incorporates by reference, and any prospectus supplement or free writing prospectus may contain and incorporate by reference, market data and industry statistics and forecasts that are based on independent industry publications and other publicly available information. Although we believe these sources are reliable, we do not guarantee the accuracy or completeness of this information and we have not independently verified this information. In addition, the market and industry data and forecasts that may be included or incorporated by reference in this prospectus, any prospectus supplement or any applicable free writing prospectus may involve estimates, assumptions and other risks and uncertainties and are subject to change based on various factors, including those discussed under the heading “Risk Factors” contained in this prospectus, the applicable prospectus supplement and any applicable free writing prospectus, and under similar headings in other documents that are incorporated by reference into this prospectus. Accordingly, investors should not place undue reliance on this information.

Unless otherwise stated or unless the context otherwise requires, all references to “we,” “us,” “our,” “our company” or “the Company” in this prospectus refer collectively to Organogenesis Holdings Inc., a Delaware corporation, and its subsidiaries.

PROSPECTUS SUMMARY

The following summary highlights some information from this prospectus. It is not complete and does not contain all of the information that you should consider before making an investment decision. You should read this entire prospectus, including the “Risk Factors” section on page 2 and the disclosures to which that section refers you, the financial statements and related notes and the other more detailed information appearing elsewhere or incorporated by reference into this prospectus before investing in any of the securities described in this prospectus.

About Us

Organogenesis is a leading regenerative medicine company focused on the development, manufacture and commercialization of solutions for the Advanced Wound Care and Surgical & Sports Medicine markets. Our products have been shown through clinical and scientific studies to support and in some cases accelerate tissue healing and improve patient outcomes. We are advancing the standard of care in each phase of the healing process through multiple breakthroughs in tissue engineering and cell therapy. Our solutions address large and growing markets driven by aging demographics and increases in comorbidities such as diabetes, obesity, cardiovascular and peripheral vascular disease. We offer our differentiated products and in-house customer support to a wide range of health care customers including hospitals, wound care centers, government facilities, ambulatory surgery centers (ASCs) and physician offices. Our mission is to provide integrated healing solutions that substantially improve medical outcomes and the lives of patients while lowering the overall cost of care.

We offer a comprehensive portfolio of products in the markets we serve that address patient needs across the continuum of care. We have and intend to continue to generate data from clinical trials, real-world outcomes and health economics research that validate the clinical efficacy and value proposition offered by our products. Several of our existing and pipeline products in our portfolio have Premarket Application (PMA) approval, or 510(k) clearance from the United States Food and Drug Administration (FDA). Given the extensive time and cost required to conduct clinical trials and receive FDA approvals, we believe that our data and regulatory approvals provide us a strong competitive advantage. Our product development expertise and multiple technology platforms provide a robust product pipeline, which we believe will drive future growth.

In the Advanced Wound Care market, we focus on the development and commercialization of advanced wound care products for the treatment of chronic and acute wounds in various treatment settings. We have a comprehensive portfolio of regenerative medicine products, capable of supporting patients from early in the wound healing process through wound closure regardless of wound type. Our advanced wound care products include Apligraf for the treatment of venous leg ulcers (VLUs) and diabetic foot ulcers (DFUs); Dermagraft for the treatment of DFUs (manufacturing and distribution currently suspended pending transition to a new manufacturing facility or engagement of a third-party manufacturer); PuraPly AM as an antimicrobial barrier and native, cross-linked extracellular matrix scaffold for a broad variety of wound types; and Affinity, Novachor, and NuShield placental allografts to address a variety of wound sizes and types as a protective barrier and extracellular matrix scaffold. We have a highly trained and specialized direct wound care sales force paired with comprehensive customer support services.

In the Surgical & Sports Medicine market, we are leveraging our broad regenerative medicine capabilities to address chronic and acute surgical wounds and tendon and ligament injuries. Our Sports Medicine products include NuShield as a surgical barrier and PuraForce as a reinforcement matrix in targeted soft tissue repairs; and Affinity, Novachor, PuraPly MZ, PuraPly AM, and PuraPly SX for management of open wounds in the surgical setting. We currently sell these products through independent agencies and our direct sales force.

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Corporate Information

We were formerly a special purpose acquisition company, incorporated under the laws of the Cayman Islands on December 4, 2015 under the name Avista Healthcare Public Acquisition Corp. (AHPAC), for the purpose of effecting a merger, share exchange, asset acquisition, share purchase, reorganization or similar business combination with one or more businesses. On December 10, 2018, pursuant to the terms of that certain Agreement and Plan of Merger, dated as of August 17, 2018, by and among AHPAC, Avista Healthcare Merger Sub, Inc. (Merger Sub) and Organogenesis Inc., (i) AHPAC transferred by way of continuation out of the Cayman Islands into the State of Delaware as a corporation incorporated under the laws of the State of Delaware under Section 388 of the Delaware General Corporation Law; and (ii) Merger Sub merged with and into Organogenesis Inc., with Organogenesis Inc. surviving as a direct wholly owned subsidiary of AHPAC, which changed its name to Organogenesis Holdings Inc., these transactions referred to herein at the “Business Combination.”

Our principal executive offices are located at 85 Dan Road, Canton, MA 02021, and our telephone number is (781) 575-0775. Our corporate website address is www.organogenesis.com. The information contained on, or that may be accessed through, our website is not part of, and is not incorporated into, this prospectus.

RISK FACTORS

Investment in any securities offered pursuant to this prospectus, any related prospectus supplement or any related free writing prospectus involves risks. You should carefully consider the risk factors incorporated by reference to our most recent Annual Report on Form 10-K, any subsequent Quarterly Reports on Form 10-Q and any Current Reports on Form 8-K filed subsequent to the end of the year covered by such annual report, together with any amendments or supplements thereto, and all other information contained or incorporated by reference into this prospectus, as updated by our subsequent filings under the Securities Exchange Act of 1934, as amended, or the Exchange Act, and the risk factors (if any) and other information contained in any applicable prospectus supplement or free writing prospectus, before acquiring any of such securities. The occurrence of any of these risks might cause you to lose all or part of your investment in the offered securities. Please also refer to the section below entitled “Cautionary Note Regarding Forward-Looking Statements.” Additional risks not known to us or that we believe are immaterial may also significantly impair our business operations and could result in a loss of all or part of your investment in the offered securities.

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WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public over the Internet at the SEC's website at <http://www.sec.gov>. Copies of certain information filed by us with the SEC are also available on our website at www.organogenesis.com. Our website is not a part of this prospectus and is not incorporated by reference in this prospectus.

This prospectus is part of a registration statement we filed with the SEC. This prospectus omits some information contained in the registration statement in accordance with SEC rules and regulations. You should review the information and exhibits in the registration statement for further information about us and our consolidated subsidiaries and the securities we are offering. Statements in this prospectus concerning any document we filed as an exhibit to the registration statement or that we otherwise filed with the SEC are not intended to be comprehensive and are qualified by reference to these filings. You should review the complete document to evaluate these statements.

INFORMATION INCORPORATED BY REFERENCE

The SEC allows us to "incorporate by reference" information into this prospectus. This means that we can disclose important information to you by referring you to another document filed separately with the SEC. The information that we incorporate by reference in this prospectus is considered to be part of this prospectus. Because we are incorporating by reference future filings with the SEC, this prospectus is continually updated and those future filings may modify or supersede some of the information included or incorporated in this prospectus. This means that you must look at all of the SEC filings that we incorporate by reference to determine if any of the statements in this prospectus or in any document previously incorporated by reference have been modified or superseded. This prospectus incorporates by reference the documents listed below (File No. 001-37906) and any future filings we make with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (other than documents or information deemed to have been furnished and not filed in accordance with SEC rules) on or after (1) the date of the initial registration statement and prior to the effectiveness of the registration statement and (2) the date of effectiveness of the registration statement but prior to the termination of the offering of the securities hereunder:

- our Annual Report on [Form 10-K](#) for the fiscal year ended December 31, 2023, filed with the SEC on February 29, 2024;
- our Quarterly Report on [Form 10-Q](#) for the quarter ended March 31, 2024, filed with the SEC on May 9, 2024;
- our Quarterly Report on [Form 10-Q](#) for the quarter ended June 30, 2024, filed with the SEC on August 8, 2024;
- our [Definitive Proxy Statement on Schedule 14A](#) filed with the SEC on April 29, 2024;
- our current reports on Form 8-K filed with the SEC on [April 3, 2024](#) and [June 21, 2024](#); and
- the description of our Class A common stock filed as [Exhibit 4.1](#) to our Annual Report on Form 10-K for the fiscal year ended December 31, 2023.

Upon oral or written request and at no cost to the requester, we will provide to each person, including any beneficial owner, to whom a prospectus is delivered, a copy of any or all of the information that has been incorporated by reference in this prospectus but not delivered with this prospectus. You may obtain copies of these documents, at no cost to you, from our website (www.organogenesis.com), or by writing or telephoning us at the following address: Organogenesis Holdings Inc., 85 Dan Road, Canton, MA 02021, (781) 575-0775. As noted above, our website is not a part of this prospectus and is not incorporated by reference in this prospectus.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and the information incorporated by reference in this prospectus include “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Exchange Act. All statements, other than statements of historical facts, contained or incorporated by reference in this prospectus, including statements regarding our business, operations and financial performance and condition, as well as our plans, objectives and expectations for our business operations and financial performance and condition, as well as assumptions relating to the foregoing, are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as “aim,” “anticipate,” “assume,” “believe,” “contemplate,” “continue,” “could,” “due,” “estimate,” “expect,” “goal,” “intend,” “may,” “objective,” “plan,” “predict,” “potential,” “positioned,” “seek,” “should,” “target,” “will,” “would,” and other similar expressions that are predictions of or indicate future events and future trends, or the negative of these terms or other comparable terminology. These forward-looking statements include, but are not limited to, statements regarding our strategy, operations, financial position, projected costs, prospects, plans and objectives of management and other statements of expectations, beliefs, future plans and strategies, anticipated events or trends and similar expressions. These forward-looking statements are based on our management’s current expectations, estimates, forecasts and projections about our business and the industry in which we operate and our management’s beliefs and assumptions. These forward-looking statements are not guarantees of future performance or development and involve known and unknown risks, uncertainties and other factors that are in some cases beyond our control. As a result, any or all of our forward-looking statements in this prospectus and the information incorporated by reference in this prospectus may turn out to be inaccurate.

Factors that may cause actual results to differ materially from current expectations include, among other things, those listed under “Risk Factors” section of this prospectus, any related prospectus supplement or any related free writing prospectus, our most recent annual report on Form 10-K, any subsequent quarterly reports on Form 10-Q and any current reports on Form 8-K filed subsequent to the end of the year covered by such annual report. Moreover, we operate in a very competitive and rapidly changing environment. New risks emerge from time to time. You should not rely upon forward-looking statements as predictions of future events. Our forward-looking statements do not reflect the potential impact of any future acquisitions, mergers, dispositions, joint ventures or investments that we may make. Except as required by law, we assume no obligation to update or revise these forward-looking statements for any reason, even if new information becomes available in the future. In that respect, we wish to caution readers not to place undue reliance on any such forward-looking statements, which speak only as of the date they are made. You should read this prospectus, the documents that we reference herein and the documents that we have filed as exhibits to the registration statement of which this prospectus is a part completely and with the understanding that our actual future results may be materially different from what we expect.

This prospectus and the information incorporated by reference herein also contain estimates and other information concerning our industry and the markets for certain diseases, including data regarding the estimated size of those markets, and the incidence and prevalence of certain medical conditions. Unless otherwise expressly stated, we obtained this industry, market and other data from reports, research surveys, studies and similar data prepared by market research firms and other third parties, industry, medical and general publications, government data and similar sources.

USE OF PROCEEDS

Except as otherwise provided in the applicable prospectus supplement, we intend to use the net proceeds from the sale of the securities offered by this prospectus for general corporate purposes, which may include, but is not limited to, working capital, capital expenditures, commercialization and distribution expenditures, manufacturing expenditures, research and development expenditures, regulatory affairs expenditures, clinical trial expenditures, acquisitions of new technologies and investments, and the repayment, refinancing, redemption or repurchase of indebtedness or capital stock. Additional information on the use of net proceeds from the sale of securities offered by this prospectus may be set forth in the prospectus supplement relating to that offering. We will not receive any of the proceeds from the sale of Class A common stock being offered by any of the selling securityholders.

DESCRIPTION OF CAPITAL STOCK

The following summary of the material terms of our securities is not intended to be a complete summary of the rights and preferences of such securities. We urge you to read our certificate of incorporation in its entirety for a complete description of the rights and preferences of our securities.

Authorized and Outstanding Stock

Our certificate of incorporation authorizes the issuance of 421,000,000 shares of capital stock, consisting of (i) 420,000,000 shares of common stock, including 400,000,000 shares of Class A common stock, par value \$0.0001 per share and 20,000,000 shares of Class B common stock, par value \$0.0001 per share and (ii) 1,000,000 shares of preferred stock, par value \$0.0001 per share. As of August 1, 2024, there were 132,575,002 shares of Class A common stock outstanding, no shares of Class B common stock were outstanding and no shares of preferred stock were outstanding. The outstanding shares of our Class A common stock are duly authorized, validly issued, fully paid and non-assessable.

Class A Common Stock

Voting Power

Except as otherwise required by law or as otherwise provided in any certificate of designation for any series of preferred stock, the holders of Class A common stock possess all voting power for the election of our directors and all other matters requiring stockholder action and will at all times vote together as one class on all matters submitted to a vote of the stockholders. Holders of our Class A common stock are entitled to one vote per share on matters to be voted on by stockholders.

Dividends

Holders of Class A common stock will be entitled to receive such dividends and other distributions, if any, as may be declared from time to time by the board of directors in its discretion out of funds legally available therefor and shall share equally on a per share basis in such dividends and distributions.

Liquidation, Dissolution and Winding Up

In the event of the voluntary or involuntary liquidation, dissolution, or winding-up of the Company, holders of Class A common stock will be entitled to receive an equal amount per share of all of our assets of whatever kind available for distribution to stockholders, after the rights of our creditors have been satisfied.

Preemptive or Other Rights

Our stockholders have no preemptive or other subscription rights and there will be no sinking fund or redemption provisions applicable to our Class A common stock.

Election of Directors

Under our certificate of incorporation, the board of directors consists of a single class, with all directors serving until our next annual meeting. There is no cumulative voting with respect to the election of directors, with the result that directors will be elected by a majority of the votes cast at an annual meeting of stockholders by holders of our Class A common stock.

Preferred Stock

Our board of directors is authorized to issue preferred stock in one or more series and to fix and designate the powers, designations, preferences and relative, participating, optional or other special rights of each class of

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preferred stock or series thereof and the qualifications, limitations or restrictions, if any, of such preferred stock. Our board of directors may fix the number of shares constituting any series of preferred stock and the designations of the series.

We will fix the powers, designations, preferences, rights, qualifications, limitations, restrictions and other terms of the preferred stock of each series by filing a certificate of designations relating to each series. When preferred stock is offered, a prospectus supplement, information incorporated by reference or a free writing prospectus, as applicable, will explain the terms of any preferred stock offered, including:

- the maximum number of shares in the series and the distinctive designation;
- the terms on which dividends will be paid, if any;
- the terms on which the shares may be redeemed, if at all;
- the liquidation preference, if any;
- the terms of any retirement or sinking fund for the purchase or redemption of the shares of the series, including any restrictions on repurchase or redemption during any arrearage in the payment of dividends or sinking fund installments;
- the terms and conditions, if any, on which the shares of the series will be convertible into, or exchangeable for, shares of any other class or classes of capital stock;
- the voting rights, if any, of the shares of the series (provided that different series of preferred stock shall not be construed to constitute different classes of shares for the purposes of voting by classes unless so provided by our certificate of incorporation or by law);
- whether the rights of the holders of shares of the series may be modified otherwise than by a vote of a majority of the shares outstanding, voting as a class, and if so, under what circumstances;
- pre-emptive rights, if any;
- transfer restrictions, if any; and
- any or all other preferences and relative, participating, optional or other special rights or qualifications, limitations or restrictions of the shares, to the extent now or hereafter permitted by the General Corporation Law of Delaware.

We will file as an exhibit to the registration statement of which this prospectus is a part, or will incorporate by reference from another report that we file with the SEC, the certificate of designations that describes the terms of any series of preferred stock we offer under this prospectus before the issuance of shares of that series of preferred stock. You should read any prospectus supplement, information incorporated by reference and any free writing prospectus that we may authorize to be provided to you related to the series of preferred stock being offered, as well as the certificate of designations that contains the terms of the applicable series of preferred stock.

Options

As of August 1, 2024, options to purchase 11,688,416 shares of our Class A common stock were outstanding under our equity compensation plans, at a weighted average exercise price of \$4.40 per share.

Dividends

We have not paid any cash dividends on our Class A common stock to date. The payment of cash dividends in the future will be dependent upon the Company's revenues and earnings, if any, capital requirements and general financial condition. The payment of any cash dividends will be within the discretion of the board of

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directors at such time. In addition, the Company is not currently contemplating and does not anticipate declaring any stock dividends in the foreseeable future. Further, the credit agreement governing our credit facility imposes significant operating and financial restrictions and limit our ability to declare dividends.

Certain Anti-Takeover Provisions of Delaware Law, the Company's Certificate of Incorporation and Bylaws

We are a corporation incorporated under the laws of the State of Delaware, and are subject to the provisions of Section 203 of the DGCL, which we refer to as "Section 203," regulating corporate takeovers.

Section 203 prevents certain Delaware corporations, under certain circumstances, from engaging in a "business combination" with:

- a stockholder who owns fifteen percent (15%) or more of our outstanding voting stock (otherwise known as an "interested stockholder");
- an affiliate of an interested stockholder; or
- an associate of an interested stockholder, for three years following the date that the stockholder became an interested stockholder.

A "business combination" includes a merger or sale of more than ten percent (10%) of our assets. However, the above provisions of Section 203 do not apply if:

- our board of directors approves the transaction that made the stockholder an "interested stockholder," prior to the date of the transaction;
- after the completion of the transaction that resulted in the stockholder becoming an interested stockholder, that stockholder owned at least eighty-five percent (85%) of our voting stock outstanding at the time the transaction commenced, other than statutorily excluded shares of Class A common stock; or
- on or subsequent to the date of the transaction, the business combination is approved by our board of directors and authorized at a meeting of our stockholders by an affirmative vote of at least two-thirds of the outstanding voting stock not owned by the interested stockholder.

In addition, our certificate of incorporation does not provide for cumulative voting in the election of directors. Our board of directors is empowered to elect a director to fill a vacancy created by the expansion of the board of directors or the resignation, death, or removal of a director in certain circumstances; and our advance notice provisions require that stockholders must comply with certain procedures in order to nominate candidates to our board of directors or to propose matters to be acted upon at a stockholders' meeting.

Our authorized but unissued Class A common stock and preferred stock are available for future issuances without stockholder approval and could be utilized for a variety of corporate purposes, including future offerings to raise additional capital, acquisitions and employee benefit plans. The existence of authorized but unissued and unreserved Class A common stock and preferred stock could render more difficult or discourage an attempt to obtain control of us by means of a proxy contest, tender offer, merger or otherwise.

Registration Rights

At the closing of the Business Combination, the Company, Avista Acquisition Corp. and certain of the Company's stockholders entered into the Amended and Restated Registration Rights Agreement. These stockholders party to the Amended and Restated Registration Rights Agreement and their permitted transferees are entitled to certain registration rights described therein. Among other things, pursuant to the Amended and Restated Registration Rights Agreement, these stockholders are entitled to participate in three demand

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registrations, and will also have certain “piggyback” registration rights with respect to registration statements, subject to cut-back provisions. We will bear the expenses incurred in connection with the filing of any such registration statements, other than certain underwriting discounts, selling commissions and expenses related to the sale of shares. We filed a re-sale registration on Form S-3 pursuant to the terms of the Amended and Restated Registration Rights Agreement on December 24, 2018 that was declared effective by the SEC on February 12, 2019.

Transfer Agent and Warrant Agent

The transfer agent for our Class A common stock is Continental Stock Transfer & Trust Company.

Listing

Our Class A common stock is listed on the Nasdaq Capital Market under the symbol “ORGO.”

DESCRIPTION OF DEBT SECURITIES

The following description, together with the additional information we include in any applicable prospectus supplement, information incorporated by reference or free writing prospectus, summarizes certain general terms and provisions of the debt securities that we may offer under this prospectus. When we offer any particular series of debt securities, a prospectus supplement, information incorporated by reference or any free writing prospectus, as applicable, will explain the terms of those debt securities, which may differ from and will modify or replace the terms described below. We urge you to read the applicable prospectus supplement, information incorporated by reference and any related free writing prospectus, as they will indicate the general terms and provisions that apply to a particular series of debt securities.

We may issue debt securities either separately, or together with, or upon the conversion or exercise of or in exchange for, other securities described in this prospectus. Debt securities may be our senior, senior subordinated or subordinated obligations and, unless otherwise specified in a prospectus supplement, information incorporated or free writing prospectus by reference, the debt securities will be our direct, unsecured obligations and may be issued in one or more series.

The debt securities will be issued under an indenture between us and a trustee. We have summarized select portions of the indenture below. The summary is not complete. The form of the indenture has been filed as an exhibit to the registration statement of which this prospectus is a part, and you should read the indenture for provisions that may be important to you.

General

The terms of each series of debt securities will be established by or pursuant to a resolution of our board of directors and set forth or determined in the manner provided in a resolution of our board of directors, in an officer's certificate or by a supplemental indenture. The particular terms of each series of debt securities will be described in a prospectus supplement, information incorporated or free writing prospectus by reference relating to such series.

We can issue an unlimited amount of debt securities under the indenture, and those securities may be in one or more series with the same or various maturities, at par, at a premium, or at a discount. With respect to any series of debt securities we offer, we will set forth in a prospectus supplement, information incorporated by reference or free writing prospectus the aggregate principal amount and the following terms of the debt securities, if applicable:

- the title and ranking of the debt securities (including the terms of any subordination provisions);
- the price or prices (expressed as a percentage of the principal amount) at which we will sell the debt securities;
- any limit on the aggregate principal amount of the debt securities;
- the date or dates on which the principal of the securities of the series is payable;
- the rate or rates (which may be fixed or variable) per annum or the method used to determine the rate or rates (including any commodity, commodity index, stock exchange index or financial index) at which the debt securities will bear interest, the date or dates from which interest will accrue, the date or dates on which interest will commence and be payable and any regular record date for the interest payable on any interest payment date;
- the place or places where principal of, and interest, if any, on the debt securities will be payable (and the method of such payment), where the securities of such series may be surrendered for registration of transfer or exchange, and where notices and demands to us in respect of the debt securities may be delivered;

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- the period or periods within which, the price or prices at which and the terms and conditions upon which we may redeem the debt securities;
- any obligation we may have to redeem or purchase the debt securities pursuant to any sinking fund or analogous provisions or at the option of a holder or holders of debt securities and the period or periods within which, the price or prices at which and the terms and conditions upon which securities of the series shall be redeemed or purchased, in whole or in part, pursuant to such obligation;
- the dates on which and the price or prices at which we will repurchase debt securities at the option of the holders of debt securities and other detailed terms and provisions of these repurchase obligations;
- the denominations in which the debt securities will be issued, if other than denominations of \$1,000 and any integral multiple thereof;
- whether the debt securities will be issued in the form of certificates issued in definitive form or as one or more global securities representing the entire issuance, as described under “Forms of Securities,” below;
- the portion of the principal amount of the debt securities payable upon declaration of acceleration of the maturity date, if other than the principal amount;
- the currency of denomination of the debt securities, which may be United States Dollars or any foreign currency, and if such currency of denomination is a composite currency, the agency or organization, if any, responsible for overseeing such composite currency;
- the designation of the currency, currencies or currency units in which payment of principal of, premium (if any) and interest on the debt securities will be made;
- if payments of principal of, premium (if any) or interest on the debt securities will be made in one or more currencies or currency units other than that or those in which the debt securities are denominated, the manner in which the exchange rate with respect to these payments will be determined;
- the manner in which the amounts of payment of principal of, premium (if any) or interest on the debt securities will be determined, if these amounts may be determined by reference to an index based on a currency or currencies other than that in which the debt securities are denominated or designated to be payable or by reference to a commodity, commodity index, stock exchange index or financial index;
- any provisions relating to any security provided for the debt securities;
- any addition to, deletion of or change in the Events of Default (as defined below) described in this prospectus or in the indenture with respect to the debt securities and any change in the acceleration provisions described in this prospectus or in the indenture with respect to the debt securities;
- any addition to, deletion of or change in the covenants described in this prospectus or in the indenture with respect to the debt securities;
- any depositaries, interest rate calculation agents, exchange rate calculation agents or other agents with respect to the debt securities;
- the provisions, if any, relating to conversion or exchange of any securities of such series, including if applicable, the conversion or exchange price and period, provisions as to whether conversion or exchange will be mandatory, the events requiring an adjustment of the conversion or exchange price and provisions affecting conversion or exchange;
- United States federal income tax consequences related to the debt securities;
- any other terms of the debt securities, which may supplement, modify or delete any provision of the indenture as it applies to that series, including any terms that may be required under applicable law or regulations or advisable in connection with the marketing of the securities; and

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- whether any of our subsidiaries will guarantee the debt securities, including the terms of subordination, if any, of such guarantees.

We may issue debt securities that provide for an amount less than their stated principal amount to be due and payable upon declaration of acceleration of their maturity pursuant to the terms of the indenture. We will provide you with information regarding any special considerations applicable to any of these debt securities in the applicable prospectus supplement, information incorporated by reference or free writing prospectus.

If we denominate the purchase price of any of the debt securities in a foreign currency or currencies or a foreign currency unit or units, or if the principal of and any premium (if any) and interest on any series of debt securities is payable in a foreign currency or currencies or a foreign currency unit or units, we will provide you with information on the restrictions, elections, general tax considerations, specific terms and other information with respect to that issue of debt securities and such foreign currency or currencies or foreign currency unit or units in the applicable prospectus supplement, information incorporated by reference or free writing prospectus.

Transfer and Exchange; Global Securities

Each debt security may be represented by either a certificate issued in definitive form to a particular purchaser or by one or more global securities representing the entire issuance of debt securities, as described below under “Forms of Securities” and in Section 2.14 of the form of indenture.

If we issue certificated debt securities, you may transfer or exchange such certificates at any office we maintain for this purpose in accordance with the terms of the indenture. No service charge will be made for any transfer or exchange of certificated debt securities, but we may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection with a transfer or exchange. You may effect the transfer of certificated debt securities and the right to receive the principal of, and premium (if any) and interest on, certificated debt securities only by surrendering the certificate representing those certificated debt securities and either the reissuance by us or the trustee of the certificate to the new holder or the issuance by us or the trustee of a new certificate to the new holder.

Payment and Paying Agents

Unless otherwise indicated in a prospectus supplement, information incorporated by reference or free writing prospectus, the provisions described in this paragraph will apply to the debt securities. Payment of interest on a debt security on any interest payment date will be made to the person in whose name the debt security is registered at the close of business on the record date for the applicable payment. Payment on debt securities of a particular series will be payable at the office of a paying agent or paying agents designated by us. However, at our option, we may pay interest by mailing a check to the record holder. The trustee will be designated as our initial paying agent.

We may also add, replace or terminate paying agents from time to time, or change the office of any paying agent, as set forth in a prospectus supplement, information incorporated by reference or free writing prospectus. However, we will be required to maintain a paying agent in each place of payment for the debt securities of a particular series.

All moneys paid by us to a paying agent for payment on any debt security that remain unclaimed for a period of two years after such payment was due will be repaid to us. Thereafter, the holder may look only to us for such payment.

Covenants

We will set forth in the applicable prospectus supplement, information incorporated by reference or free writing prospectus any restrictive covenants applicable to any issue of debt securities.

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No Protection In the Event of a Change of Control

Unless we state otherwise in the applicable prospectus supplement, information incorporated by reference or free writing prospectus, the debt securities will not contain any provisions which may afford holders of the debt securities protection in the event we have a change in control or in the event of a highly leveraged transaction (whether or not such transaction results in a change in control) which could adversely affect holders of debt securities.

Consolidation, Merger and Sale of Assets

We may not consolidate with or merge with or into, or convey, transfer or lease all or substantially all of our properties and assets to any person (a “successor person”) unless:

- we are the surviving corporation or the successor person is a corporation organized and validly existing under the laws of any U.S. domestic jurisdiction and expressly assumes our obligations on any debt securities and under the related indenture; and
- immediately after giving effect to the transaction, no Default or Event of Default, shall have occurred and be continuing.

Notwithstanding the above, any of our subsidiaries may consolidate with, merge into or transfer all or part of its properties and assets to us.

Events of Default

“*Event of Default*” means, with respect to any series of debt securities, any of the following:

- default in the payment of any interest upon any debt security of that series when it becomes due and payable, and continuance of such default for a period of 30 days (unless the entire amount of the payment is deposited by us with the trustee or with a paying agent prior to the expiration of the 30-day period);
- default in the payment of principal of any security of that series at its maturity;
- default in the performance or breach of any other covenant or warranty by us in the indenture (other than a covenant or warranty that has been included in the indenture solely for the benefit of a series of debt securities other than that series), which default continues uncured for a period of 60 days after we receive written notice from the trustee or we and the trustee receive written notice from the holders of not less than 25% in principal amount of the outstanding debt securities of that series as provided in the indenture;
- certain voluntary or involuntary events of bankruptcy, insolvency or reorganization of our company; or
- any other Event of Default provided with respect to debt securities of that series that is described in the applicable prospectus supplement, information incorporated by reference or free writing prospectus.

No Event of Default with respect to a particular series of debt securities (except as to certain events of bankruptcy, insolvency or reorganization) necessarily constitutes an Event of Default with respect to any other series of debt securities. The occurrence of certain Events of Default or an acceleration under the indenture may constitute an event of default under certain indebtedness of ours or our subsidiaries outstanding from time to time.

If an Event of Default with respect to debt securities of any series at the time outstanding occurs and is continuing, then the trustee or the holders of not less than 25% in principal amount of the outstanding debt securities of that series may, by a notice in writing to us (and to the trustee if given by the holders), declare to be due and payable immediately the principal of (or, if the debt securities of that series are discount securities, that

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portion of the principal amount as may be specified in the terms of that series) and accrued and unpaid interest, if any, on all debt securities of that series. In the case of an Event of Default resulting from certain events of bankruptcy, insolvency or reorganization, the principal (or such specified amount) of and accrued and unpaid interest, if any, on all outstanding debt securities will become and be immediately due and payable without any declaration or other act on the part of the trustee or any holder of outstanding debt securities. At any time after a declaration of acceleration with respect to debt securities of any series has been made, but before a judgment or decree for payment of the money due has been obtained by the trustee, the holders of a majority in principal amount of the outstanding debt securities of that series may rescind and annul the acceleration if all Events of Default, other than the non-payment of accelerated principal and interest, if any, with respect to debt securities of that series, have been cured or waived as provided in the indenture. We refer you to the prospectus supplement, information incorporated by reference or free writing prospectus relating to any series of debt securities that are discount securities for the particular provisions relating to acceleration of a portion of the principal amount of such discount securities upon the occurrence of an Event of Default.

The indenture provides that the trustee will be under no obligation to exercise any of its rights or powers under the indenture unless the trustee receives indemnity satisfactory to it against any cost, liability or expense which might be incurred by it in exercising such right of power. Subject to certain rights of the trustee, the holders of a majority in principal amount of the outstanding debt securities of any series will have the right to direct the time, method and place of conducting any proceeding for any remedy available to the trustee or exercising any trust or power conferred on the trustee with respect to the debt securities of that series.

No holder of any debt security of any series will have any right to institute any proceeding, judicial or otherwise, with respect to the indenture or for the appointment of a receiver or trustee, or for any remedy under the indenture, unless:

- that holder has previously given to the trustee written notice of a continuing Event of Default with respect to debt securities of that series; and
- the holders of not less than 25% in principal amount of the outstanding debt securities of that series have made written request, and offered reasonable indemnity or security, to the trustee to institute the proceeding as trustee, and the trustee has not received from the holders of not less than a majority in principal amount of the outstanding debt securities of that series a direction inconsistent with that request and has failed to institute the proceeding within 60 days.

Notwithstanding any other provision in the indenture, the holder of any debt security will have an absolute and unconditional right to receive payment of the principal of and any interest on that debt security on or after the due dates expressed in that debt security and to institute suit for the enforcement of payment.

The indenture requires us, within 120 days after the end of our fiscal year, to furnish to the trustee a statement as to compliance with the indenture. If a Default or Event of Default occurs and is continuing with respect to the securities of any series and if it is known to a responsible officer of the trustee, the trustee shall send to each Securityholder of the securities of that series notice of a Default or Event of Default within 90 days after it occurs. The indenture provides that the trustee may withhold notice to the holders of debt securities of any series of any Default or Event of Default (except in payment on any debt securities of that series) with respect to debt securities of that series if the trustee determines in good faith that withholding notice is in the interest of the holders of those debt securities.

Modification and Waiver

We and the trustee may modify and amend the indenture or the debt securities of any series without the consent of any holder of any debt security:

- to cure any ambiguity, defect or inconsistency;

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- to comply with covenants in the indenture as described above under “Description of the Debt Securities—Consolidation, Merger and Sale of Assets;”
- to provide for uncertificated securities in addition to or in place of certificated securities;
- to add guarantees with respect to debt securities of any series or secure debt securities of any series;
- to surrender any of our rights or powers under the indenture;
- to add covenants or events of default for the benefit of the holders of debt securities of any series;
- to comply with the applicable procedures of the applicable depositary;
- to make any change that does not adversely affect the rights of any holder of debt securities;
- to provide for the issuance of and establish the form and terms and conditions of debt securities of any series as permitted by the indenture;
- to effect the appointment of a successor trustee with respect to the debt securities of any series and to add to or change any of the provisions of the indenture to provide for or facilitate administration by more than one trustee; or
- to comply with requirements of the SEC in order to effect or maintain the qualification of the indenture under the Trust Indenture Act of 1939.

We may also modify and amend the indenture with the consent of the holders of at least a majority in principal amount of the outstanding debt securities of each series affected by the modifications or amendments. We may not make any modification or amendment without the consent of the holders of each affected debt security then outstanding if that amendment will:

- reduce the amount of debt securities whose holders must consent to an amendment, supplement or waiver;
- reduce the rate of or extend the time for payment of interest (including default interest) on any debt security;
- reduce the principal of or change the fixed maturity of any debt security or reduce the amount of, or postpone the date fixed for, the payment of any sinking fund or analogous obligation with respect to any series of debt securities;
- reduce the principal amount of discount securities payable upon acceleration of maturity;
- waive a default in the payment of the principal of or interest on any debt security (except a rescission of acceleration of the debt securities of any series by the holders of at least a majority in aggregate principal amount of the then outstanding debt securities of that series and a waiver of the payment default that resulted from such acceleration);
- make the principal of or interest on any debt security payable in currency other than that stated in the debt security;
- make any change to certain provisions of the indenture relating to, among other things, the right of holders of debt securities to receive payment of the principal of and interest on those debt securities and to institute suit for the enforcement of any such payment and to waivers or amendments; or
- waive a redemption payment with respect to any debt security.

Except for certain specified provisions, the holders of at least a majority in principal amount of the outstanding debt securities of any series may on behalf of the holders of all debt securities of that series waive our compliance with provisions of the indenture. The holders of a majority in principal amount of the outstanding debt securities of any series may on behalf of the holders of all the debt securities of such series waive any past

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default under the indenture with respect to that series and its consequences, except a default in the payment of the principal of or any interest on any debt security of that series; provided, however, that the holders of a majority in principal amount of the outstanding debt securities of any series may rescind an acceleration and its consequences, including any related payment default that resulted from the acceleration.

Satisfaction and Discharge of Indenture; Defeasance of Debt Securities and Certain Covenants in Certain Circumstances

Satisfaction and Discharge. The indenture provides that we may be discharged from our obligations under the indenture with respect to a series of debt securities (subject to certain exceptions) when, among other things, all of the debt securities of that series have been delivered to the trustee for cancellation and we have paid or caused to be paid all other sums payable under the indenture with respect to such debt securities, or, alternatively, when the following conditions (among others) are met:

- all of the debt securities of that series that have not been delivered for cancellation have become due and payable, or will become due and payable within one year, or have been called for redemption or are to be called for redemption within one year under arrangements satisfactory to the trustee;
- we have deposited with the trustee, in trust, funds in an amount sufficient to pay and discharge each installment of principal (including mandatory sinking fund or analogous payments) of and interest on all the securities of such series on the dates such installments of principal or interest are due; and
- we have paid or caused to be paid all other sums payable under the indenture with respect to such debt securities.

Legal Defeasance. The indenture provides that, unless otherwise provided by the terms of the applicable series of debt securities, we may be discharged from any and all obligations in respect of the debt securities of any series (subject to certain exceptions). We will be so discharged upon the deposit with the trustee, in trust, of money and/or U.S. government obligations or, in the case of debt securities denominated in a single currency other than U.S. Dollars, government obligations of the government that issued or caused to be issued such currency, that, through the payment of interest and principal in accordance with their terms, will provide money in an amount sufficient in the opinion of a nationally recognized firm of independent public accountants or investment bank to pay and discharge each installment of principal of and interest on and any mandatory sinking fund payments in respect of the debt securities of that series on the stated maturity of those payments in accordance with the terms of the indenture and those debt securities.

This discharge may occur only if, among other things, we have delivered to the trustee an opinion of counsel stating that we have received from, or there has been published by, the United States Internal Revenue Service a ruling or, since the date of execution of the indenture, there has been a change in the applicable United States federal income tax law, in either case to the effect that, and based thereon such opinion shall confirm that, the holders of the debt securities of that series will not recognize income, gain or loss for United States federal income tax purposes as a result of the deposit, defeasance and discharge and will be subject to United States federal income tax on the same amount and in the same manner and at the same times as would have been the case if the deposit, defeasance and discharge had not occurred.

Defeasance of Certain Covenants. The indenture provides that, unless otherwise provided by the terms of the applicable series of debt securities, upon compliance with certain conditions:

- we may omit to comply with the covenant described above under “Description of the Debt Securities—Consolidation, Merger and Sale of Assets” and certain other covenants set forth in the indenture, as well as any additional covenants which may be set forth in the applicable prospectus supplement, information incorporated by reference or free writing prospectus; and
- any omission to comply with those covenants will not constitute a Default or an Event of Default with respect to the debt securities of that series, or a covenant defeasance.

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The conditions include:

- depositing with the trustee money and/or U.S. government obligations or, in the case of debt securities denominated in a single currency other than U.S. Dollars, government obligations of the government that issued or caused to be issued such currency, that, through the payment of interest and principal in accordance with their terms, will provide money in an amount sufficient in the opinion of a nationally recognized firm of independent public accountants or investment bank to pay and discharge each installment of principal (including any mandatory sinking fund or analogous payments) of and interest on the debt securities of that series on the stated maturity of those payments in accordance with the terms of the indenture and those debt securities; and
- delivering to the trustee an opinion of counsel to the effect that the holders of the debt securities of that series will not recognize income, gain or loss for United States federal income tax purposes as a result of the deposit and related covenant defeasance and will be subject to United States federal income tax on the same amount and in the same manner and at the same times as would have been the case if the deposit and related covenant defeasance had not occurred.

Covenant Defeasance and Events of Default. In the event we exercise our option to effect covenant defeasance with respect to any series of debt securities and the debt securities of that series are declared due and payable because of the occurrence of any Event of Default, the amount of money and/or U.S. government obligations or foreign government obligations on deposit with the trustee may not be sufficient to pay amounts due on the debt securities of that series at the time of the acceleration resulting from the Event of Default. However, we shall remain liable for those payments.

Governing Law

The indenture and the debt securities, including any claim or controversy arising out of or relating to the indenture or the securities, will be governed by the laws of the State of New York without regard to conflict of law principles that would result in the application of any law other than the laws of the State of New York.

DESCRIPTION OF WARRANTS

We may issue warrants for the purchase of shares of our Class A common stock, preferred stock, debt securities or any combination of the foregoing, either individually or as units comprised of two or more other securities. We may issue warrants independently or together with other securities, and the warrants may be attached to or separate from any offered securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and the investors or a warrant agent. Any warrant agent will act solely as our agent in connection with the warrants of such series and will not assume any obligation or relationship of agency for or with holders or beneficial owners of warrants. We may also add, replace, or terminate warrant agents from time to time.

The following summary of material provisions of the warrants and warrant agreements is subject to, and qualified in its entirety by reference to, all the provisions of the warrant agreement and warrant certificate applicable to a particular series of warrants. When warrants are offered, a prospectus supplement, information incorporated by reference or a free writing prospectus, as applicable, will explain the terms of any warrants offered, which may differ from and will modify or replace the terms described below. We urge you to read the applicable prospectus supplement, information incorporated by reference and any related free writing prospectus, as well as the complete warrant agreements and warrant certificates that contain the terms of the warrants.

The particular terms of any issue of warrants will be described in the prospectus supplement, information incorporated by reference or free writing prospectus relating to the issue. Those terms may include:

- the title and number of warrants;
- the price or prices at which the warrants will be issued and may be exercised, including provisions for the exercise of the warrants without payment of cash, if any;
- the number of shares of Class A common stock or preferred stock purchasable upon the exercise of warrants to purchase such shares and the price at which such number of shares may be purchased upon such exercise;
- the designation, stated value, number and terms (including, without limitation, liquidation, dividend, conversion and voting rights) of the series of preferred stock purchasable upon exercise of warrants to purchase preferred stock;
- the principal amount of debt securities that may be purchased upon exercise of a debt warrant and the exercise price for the warrants;
- the number of units purchasable upon exercise of warrants to purchase units, the securities comprising such units and their terms, and the exercise price for the warrants;
- any provisions for adjustment in the number, type or amount of securities purchasable upon exercise of the warrants or the exercise price of the warrants;
- the date on which the right to exercise the warrants will commence and the date on which the right will expire;
- whether the warrants will be issued in registered or bearer form;
- whether registered warrants will be issued in the form of a certificate issued in definitive form or as one or more global securities representing the entire issuance of warrants, as described under “Forms of Securities,” below;
- if applicable, the minimum or maximum amount of warrants that may be exercised at any one time;
- if applicable, the date on and after which the warrants and the related underlying securities will be separately transferable;
- United States federal income tax consequences applicable to the warrants;

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- the identity of the warrant agent, if any; and
- any additional terms of the warrants, including terms, procedures and limitations relating to the exchange, exercise and settlement of the warrants.

Holders of Class A common stock or preferred stock warrants will not be entitled to:

- vote, consent or receive dividends or other distributions (including upon any liquidation, dissolution or winding up of the company);
- receive notice as stockholders with respect to any meeting of stockholders for the election of our directors or any other matter; or
- exercise any rights as stockholders.

Prior to the exercise of their warrants, holders of warrants exercisable for debt securities will not have any of the rights of holders of the debt securities purchasable upon such exercise and will therefore not be entitled to payments of principal (or premium, if any) or interest, if any, and may not enforce covenants in any applicable indenture.

Each warrant will entitle its holder to purchase the principal amount of debt securities or the number of shares of preferred stock or Class A common stock or units at the exercise price set forth in, or calculable as set forth in, the applicable prospectus supplement, information incorporated by reference or free writing prospectus. Unless we otherwise specify in the applicable prospectus supplement, information incorporated by reference or free writing prospectus, holders of the warrants may exercise the warrants at any time up to the specified time on the expiration date that we set forth in the applicable prospectus supplement, information incorporated by reference or free writing prospectus. After such specified time on the expiration date, unexercised warrants will become void. Warrants may be redeemed as set forth in the applicable prospectus supplement, information incorporated by reference or free writing prospectus.

If less than all of the warrants represented by a warrant certificate are exercised, a new warrant certificate will be issued for the remaining warrants. Upon receipt of payment and the warrant certificate properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable offering material, we will forward, as soon as practicable, the securities purchasable upon such exercise.

DESCRIPTION OF UNITS

We may issue units consisting of our Class A common stock, preferred stock, debt securities, and/or warrants to purchase any of these securities in one or more series. We may evidence each series of units by unit certificates that we will issue under a separate agreement. We will issue each unit so that the holder of the unit is also the holder of each security included in the unit. As a result, the holder of a unit will have the rights and obligations of a holder of each included security. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date.

We may enter into unit agreements with a unit agent. We will indicate the name and address of the unit agent in the applicable prospectus supplement relating to a particular series of units, information incorporated by reference or a related free writing prospectus. Each unit agent will act solely as our agent in connection with the certificates relating to the units and will not assume any obligation or relationship of agency or trust with any holders of unit certificates or beneficial owners of units. We may also add, replace, or terminate unit agents from time to time.

The following description, together with the additional information included in any applicable prospectus supplement, information incorporated by reference or free writing prospectus, summarizes the general features of the units that we may offer under this prospectus. When units are offered, a prospectus supplement, information incorporated by reference or a free writing prospectus, as applicable, will explain the terms of any units offered, which may differ from and will modify or replace the terms described below. We urge you to read the applicable prospectus supplement, information incorporated by reference and any related free writing prospectus, as well as the complete unit agreements that contain the terms of the units. Specific unit agreements will contain additional important terms and provisions and we will file as an exhibit to the registration statement of which this prospectus is a part, or will incorporate by reference from another report that we file with the SEC, the form of each unit agreement relating to units offered under this prospectus.

The particular terms of any issue of units will be described in the prospectus supplement, information incorporated by reference or free writing prospectus relating to the issue. Those terms may include:

- the title of the series of units;
- identification and description of the separate constituent securities comprising the units;
- the price or prices at which the units will be issued;
- any provisions for the issuance, payment, settlement, transfer or exchange of the units or the securities composing the units;
- the date, if any, on and after which the constituent securities comprising the units will be separately transferable;
- whether the units will be issued in the form of a certificate issued in definitive form or as one or more global securities representing the entire issuance of units, as described under “Forms of Securities,” below;
- United States federal income tax consequences applicable to the units; and
- any other terms of the units and their constituent securities.

FORMS OF SECURITIES

General

Each debt security, warrant, and unit will be represented either by a certificate issued in definitive form to a particular purchaser or by one or more global securities representing the entire issuance of securities. Unless the applicable prospectus supplement, information incorporated by reference or free writing prospectus provides otherwise, certificated securities in definitive form and global securities will be issued in registered form. Definitive securities name you or your nominee as the owner of the security, and in order to transfer or exchange these securities or to receive payments other than interest or other interim payments, you or your nominee must physically deliver the securities to the trustee, registrar, paying agent or other agent, as applicable. Global securities name a depositary or its nominee as the owner of the debt securities, warrants or units represented by these global securities. The depositary maintains a computerized system that will reflect each purchaser's beneficial ownership of the securities through an account maintained by the purchaser with its broker/dealer, bank, trust company or other representative, as we explain more fully below.

Registered Global Securities

We may issue the registered debt securities, warrants or units in the form of one or more fully registered global securities, bearing all applicable legends, to be deposited with and registered in the name of a depositary or its nominee identified in the applicable prospectus supplement, information incorporated by reference or free writing prospectus. In those cases, one or more registered global securities will be issued in a denomination or aggregate denominations equal to the portion of the aggregate principal or face amount of the securities to be represented by registered global securities. Unless and until it is exchanged in whole for certificated securities in definitive registered form, a registered global security may not be transferred except as a whole by and among the depositary for the registered global security, the nominees of the depositary or any successors of the depositary or those nominees.

If not described below, any specific terms of the depositary arrangement with respect to any securities to be represented by a registered global security will be described in the prospectus supplement, information incorporated by reference or free writing prospectus relating to those securities. We anticipate that the following provisions will apply to all depositary arrangements.

Ownership of beneficial interests in a registered global security will be limited to persons, called participants, that have accounts with the depositary or persons that may hold interests through participants. Upon the issuance of a registered global security, the depositary will credit, on its book-entry registration and transfer system, the participants' global accounts with the respective principal or face amounts of the securities beneficially owned by the participants. Any dealers, underwriters or agents participating in the distribution of the securities will designate the accounts to be credited. Ownership of beneficial interests in a registered global security will be shown on, and the transfer of ownership interests will be effected only through, records maintained by the depositary, with respect to interests of participants, and on the records of participants, with respect to interests of persons holding through participants. The laws of some jurisdictions may require that some purchasers of securities take physical delivery of these securities in definitive form. These laws may impair such purchasers' global abilities to own, transfer or pledge beneficial interests in registered global securities.

So long as the depositary, or its nominee, is the registered owner of a registered global security, that depositary or its nominee, as the case may be, will be considered the sole owner or holder of the securities represented by the registered global security for all purposes under the applicable indenture, warrant agreement or unit agreement. Except as described below, owners of beneficial interests in a registered global security will not be entitled to have the securities represented by the registered global security registered in their names, will not receive or be entitled to receive physical delivery of the securities in definitive form and will not be considered the owners or holders of the securities under the applicable indenture, warrant agreement or unit

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agreement. Accordingly, each person owning a beneficial interest in a registered global security must rely on the procedures of the depositary for that registered global security and, if that person is not a participant, on the procedures of the participant through which the person owns its interest, to exercise any rights of a holder under the applicable indenture, warrant agreement or unit agreement. These procedures may change from time to time. We understand that, under existing industry practices, if we request any action of holders or if an owner of a beneficial interest in a registered global security desires to give or take any action that a holder is entitled to give or take under the applicable indenture, warrant agreement or unit agreement, the depositary for the registered global security would authorize the participants holding the relevant beneficial interests to give or take that action, and the participants would authorize beneficial owners owning through them to give or take that action or would otherwise act upon the instructions of beneficial owners holding through them.

Principal, premium, if any, on and interest payments on debt securities, and any payments to holders with respect to warrants or units, represented by a registered global security registered in the name of a depositary or its nominee will be made to the depositary or its nominee, as the case may be, as the registered owner of the registered global security. None of us, the trustees, the warrant agents, the unit agents or any other agent of ours, agent of the trustees or agent of the warrant agents or the unit agents will have any responsibility or liability for any aspect of the records relating to payments made on account of beneficial ownership interests in the registered global security or for maintaining, supervising or reviewing any records relating to those beneficial ownership interests.

We expect that the depositary for any of the securities represented by a registered global security, upon receipt of any payment of principal, premium, interest or other distribution of underlying securities or other property to holders on that registered global security, will immediately credit participants' accounts in amounts proportionate to their respective beneficial interests in that registered global security as shown on the records of the depositary. We also expect that payments by participants to owners of beneficial interests in a registered global security held through participants will be governed by standing customer instructions and customary practices, as is now the case with the securities held for the accounts of customers or registered in "street name," and will be the responsibility of those participants.

If the depositary for any of the securities represented by a registered global security is at any time unwilling or unable to continue as depositary or ceases to be qualified to serve as a depositary, and a qualified successor depositary is not appointed by us within 90 days, we will issue certificated securities in definitive form in exchange for the registered global security that had been held by the depositary. Any securities issued in definitive form in exchange for a registered global security will be registered in the name or names that the depositary gives to the relevant trustee, warrant agent or unit agent or other relevant agent of ours or theirs. It is expected that the depositary's instructions will be based upon directions received by the depositary from participants with respect to ownership of beneficial interests in the registered global security that had been held by the depositary.

SELLING SECURITYHOLDERS

This prospectus also relates to the possible resale by certain of our shareholders, who we refer to in this prospectus as the “selling securityholders,” of up to 50,000,000 shares of our Class A common stock that were issued and outstanding, or that are issuable upon exercise of options to acquire Class A common stock or upon vesting and settlement of restricted stock units issued under our 2018 Equity Incentive Plan (the “2018 Plan”), in each case, that were issued and outstanding, prior to the original date of filing of the registration statement of which this prospectus forms a part. The selling securityholders acquired the shares of our Class A common stock included in this prospectus in connection with:

- the closing of the Business Combination on December 10, 2018;
- the closing of a private placement concurrent with the closing of the Business Combination on December 10, 2018;
- gifts on December 28, 2021, December 15, 2021 and December 29, 2020;
- open market purchases on November 21, 2022, November 18, 2022, August 12, 2022, May 16, 2022, December 13, 2021, December 3, 2021, December 2, 2021, November 29, 2021, November 26, 2021, November 18, 2021, November 17, 2021, November 15, 2021, November 12, 2021, August 17, 2021, September 13, 2019, September 6, 2019, September 5, 2019, September 4, 2019 and September 3, 2019;
- a pro rata distribution for no consideration by a stockholder of the Company to its members on May 6, 2021;
- the closing of a public offering on November 17, 2020;
- the exercise of options to acquire shares of our Class A common stock that were issued and outstanding under the 2018 Plan prior to the original date of filing of the registration statement of which this prospectus forms a part; and
- the vesting and settlement of restricted stock units that were issued and outstanding under the 2018 Plan prior to the original date of filing of the registration statement of which this prospectus forms a part.

Information about the selling securityholders, where applicable, including their identities, the amount of shares of Class A common stock owned by each selling securityholder prior to the offering, the number of shares of our Class A common stock to be offered by each selling securityholder and the amount of common stock to be owned by each selling securityholder after completion of the offering, will be set forth in an applicable prospectus supplement, documents incorporated by reference or in a free writing prospectus we file with the SEC. The applicable prospectus supplement will also disclose whether any of the selling securityholders has held any position or office with, has been employed by or otherwise has had a material relationship with us during the three years prior to the date of the prospectus supplement.

The selling securityholders may not sell any shares of our Class A common stock pursuant to this prospectus until we have identified such selling securityholders and the shares being offered for resale by such selling securityholders in a subsequent prospectus supplement. However, the selling securityholders may sell or transfer all or a portion of their shares of our Class A common stock pursuant to any available exemption from the registration requirements of the Securities Act.

PLAN OF DISTRIBUTION

We may offer and sell any combination of the securities and/or the selling securityholders may offer and sell shares of our Class A common stock from time to time, in one or more transactions, through one or more of the following methods:

- on the Nasdaq Capital Market or any other national securities exchange or U.S. inter-dealer system of a registered national securities association;
- in one or more underwritten offerings;
- to or through dealers;
- in negotiated transactions;
- in block trades;
- in “at-the-market” offerings;
- directly to one or more purchasers;
- to or through agents; and
- in any combination of such methods of sale.

A distribution of the securities offered by this prospectus may also be effected through the issuance of derivative securities, including, without limitation, warrants, exchangeable securities, forward delivery contracts and the writing of options.

In addition, the manner in which we offer and sell any combination of the securities or the selling securityholders may offer and sell shares of our Class A common stock from time to time includes, without limitation, through:

- a block trade in which a broker-dealer will attempt to sell as agent, but may position or resell a portion of the block, as principal, in order to facilitate the transaction;
- an over-the-counter distribution in accordance with the rules of the Nasdaq Capital Market;
- through trading plans entered into pursuant to Rule 10b5-1 under the Exchange Act that are in place at the time of an offering pursuant to this prospectus and any applicable prospectus supplement hereto that provide for periodic sales of their securities on the basis of parameters described in such trading plans;
- distribution to employees, members, limited partners or securityholders of a selling securityholder;
- delayed delivery arrangements;
- at prices prevailing at the time of sale or at prices related to such prevailing market prices, including sales made directly on a national securities exchange or sales made through a market maker other than on an exchange or other similar offerings through sales agents;
- one or more underwritten offerings;
- in “at-the-market” offerings;
- purchases by a broker-dealer, as principal, and resale by the broker-dealer for its account;
- ordinary brokerage transactions and transactions in which a broker solicits purchasers; or
- privately negotiated transactions;
- by pledge to secured debt and other obligations;

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- through a combination of any of the above methods of sale; or
- any other method permitted pursuant to applicable law.

We and/or any selling securityholders may also enter into hedging transactions. For example, we and/or any selling securityholders may:

- enter into transactions with a broker-dealer or affiliate thereof in connection with which such broker-dealer or affiliate will engage in short sales of securities pursuant to this prospectus, in which case such broker-dealer or affiliate may use our and/or the selling securityholders' Class A common stock received from us and/or the selling securityholders to close out its short positions;
- sell securities short and redeliver such securities to close out our and/or the selling securityholders' short positions;
- enter into option or other types of transactions that require us and/or the selling securityholders to deliver our and/or the selling securityholders' Class A common stock to a broker-dealer or an affiliate thereof, who will then resell or transfer our and/or the selling securityholders' Class A common stock under this prospectus; or
- loan or pledge our and/or the selling securityholders' Class A common stock to a broker-dealer or an affiliate thereof, who may sell the loaned shares or, in an event of default in the case of a pledge, sell the pledged shares pursuant to this prospectus.

A prospectus supplement relating to a particular offering of any securities may include the following information:

- the terms of the offering;
- the names of any underwriters, dealers or agents;
- the purchase price of the securities;
- any net proceeds to us and/or the selling securityholders from the sale of the securities;
- any delayed delivery arrangements;
- any underwriting discounts and other items constituting underwriters' compensation;
- any public offering price;
- any discounts or concessions allowed or paid to dealers or agents; and
- any option under which underwriters may purchase additional shares of our Class A common stock from us and/or any selling securityholder.

The distribution of any securities may be effected from time to time in one or more transactions at a fixed price or prices, which may be changed, at market prices prevailing at the time of sale, at prices related to prevailing market prices or at negotiated prices.

Each time that we and/or any of the selling securityholders sell securities covered by this prospectus, we and/or the selling securityholders will provide a prospectus supplement or supplements that will describe the method of distribution and set forth the terms and conditions of the offering of such securities, including the offering price of the securities and the proceeds to us and/or the selling securityholders, if applicable.

Offers to purchase the securities being offered by this prospectus may be solicited directly. Agents may also be designated to solicit offers to purchase the securities from time to time. Any agent involved in the offer or sale of our securities will be identified in a prospectus supplement.

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If a dealer is utilized in the sale of the securities being offered by this prospectus, the securities will be sold to the dealer, as principal. The dealer may then resell the securities to the public at varying prices to be determined by the dealer at the time of resale.

If an underwriter is utilized in the sale of the securities being offered by this prospectus, an underwriting agreement will be executed with the underwriter at the time of sale and the name of any underwriter will be provided in the prospectus supplement that the underwriter will use to make resales of the securities to the public. In connection with the sale of the securities, we, and/or the selling securityholders, or the purchasers of securities for whom the underwriter may act as agent, may compensate the underwriter in the form of underwriting discounts or commissions. The underwriter may sell the securities to or through dealers, and those dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters and/or commissions from the purchasers for which they may act as agent. Various of the underwriters who participate in the distribution of any securities, and their affiliates, may perform various commercial banking and investment banking services for us from time to time in the ordinary course of business. Unless otherwise indicated in a prospectus supplement, an agent will be acting on a best-efforts basis and a dealer will purchase securities as a principal, and may then resell the securities at varying prices to be determined by the dealer.

We and/or the selling securityholders may authorize underwriters or other persons as agents to solicit offers by institutions to purchase any securities from us and/or the selling securityholders pursuant to contracts providing for payment and delivery on a future date. These institutions may include commercial and savings banks, insurance companies, pension funds, investment companies, educational and charitable institutions and others, but in all cases we must approve these institutions. The obligations of any purchaser under any of these contracts will be subject to the condition that the purchase of any securities will not at the time of delivery be prohibited under the laws of the jurisdiction to which such purchaser is subject. The underwriters and other agents will not have any responsibility in respect of the validity or performance of these contracts.

Any compensation paid to underwriters, dealers or agents in connection with the offering of the securities, and any discounts, concessions or commissions allowed by underwriters to participating dealers will be provided in the applicable prospectus supplement. Underwriters, dealers and agents participating in the distribution of the securities may be deemed to be underwriters within the meaning of the Securities Act, and any discounts and commissions received by them and any profit realized by them on resale of the securities may be deemed to be underwriting discounts and commissions.

In connection with offerings made through underwriters or agents, we and/or the selling securityholders may enter into agreements with such underwriters or agents pursuant to which we receive our and/or the selling securityholders' outstanding securities in consideration for the securities being offered to the public for cash. In connection with these arrangements, the underwriters or agents may also sell securities covered by this prospectus to hedge their positions in these outstanding securities, including in short sale transactions. If so, the underwriters or agents may use the securities received from us under these arrangements to close out any related open borrowings of securities.

Selling securityholders may use this prospectus in connection with resales of our Class A common stock. Such selling securityholders may be deemed to be underwriters under the Securities Act in connection with the shares of our Class A common stock they resell and any profits on the sales may be deemed to be underwriting discounts and commissions under the Securities Act.

If underwriters or dealers are used in the sale, until the distribution of any securities is completed, rules of the SEC may limit the ability of any underwriters to bid for and purchase the securities. As an exception to these rules, representatives of any underwriters are permitted to engage in transactions that stabilize the price of the securities. These transactions may consist of bids or purchases for the purpose of pegging, fixing or maintaining the price of the securities. If the underwriters create a short position in the securities in connection with the

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offering (that is, if they sell more securities than are set forth on the cover page of the prospectus supplement) the representatives of the underwriters may reduce that short position by purchasing the securities in the open market.

We make no representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the price of the securities. In addition, we make no representation that the representatives of any underwriters will engage in these transactions or that these transactions, once commenced, will not be discontinued without notice.

Any Class A common stock will be listed on the Nasdaq Capital Market, but any other securities may or may not be listed on a national securities exchange. To facilitate the offering of securities, certain persons participating in the offering may engage in transactions that stabilize, maintain or otherwise affect the price of the securities. This may include over allotments or short sales of the securities, which involve the sale by persons participating in the offering of more securities than were sold to them. In these circumstances, these persons would cover such over-allotments or short positions by making purchases in the open market or by exercising their over-allotment option, if any. In addition, these persons may stabilize or maintain the price of the securities by bidding for or purchasing securities in the open market or by imposing penalty bids, whereby selling concessions allowed to dealers participating in the offering may be reclaimed if securities sold by them are repurchased in connection with stabilization transactions. The effect of these transactions may be to stabilize or maintain the market price of the securities at a level above that which might otherwise prevail in the open market. These transactions may be discontinued at any time.

We may engage in at the market offerings into an existing trading market in accordance with Rule 415(a)(4) under the Securities Act. In addition, we and/or the selling securityholders may enter into derivative transactions with third parties, or sell securities not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement so indicates, in connection with those derivatives, the third parties may sell securities covered by this prospectus and the applicable prospectus supplement, including in short sale transactions. If so, the third party may use securities pledged by us and/or the selling securityholders or borrowed from us and/or the selling securityholders or others to settle those sales or to close out any related open borrowings of stock, and may use securities received from us and/or the selling securityholders in settlement of those derivatives to close out any related open borrowings of stock. The third party in such sale transactions will be an underwriter and, if not identified in this prospectus, will be named in the applicable prospectus supplement (or a post-effective amendment). In addition, we and/or the selling securityholders may otherwise loan or pledge securities to a financial institution or other third party that in turn may sell the loaned securities or, in an event of default in the case of a pledge, sell the pledged securities pursuant to this prospectus and the applicable prospectus supplement or pricing supplement, as the case may be. Such financial institution or other third party may transfer its economic short position to investors in our securities or in connection with a concurrent offering of other securities.

The specific terms of any lock-up provisions in respect of any given offering will be described in the applicable prospectus supplement.

The underwriters, dealers and agents may engage in transactions with us, or perform services for us, in the ordinary course of business for which they receive compensation.

The aggregate maximum discount, commission or agency fees or other items constituting underwriting compensation to be received by any member of the Financial Industry Regulatory Authority, or FINRA, or independent broker-dealer in connection with any offering pursuant to this prospectus and any applicable prospectus, as the case may be, will be in compliance with the guidelines of the FINRA.

LEGAL MATTERS

The legality of the securities offered hereby will be passed upon for us by Foley Hoag LLP of Boston, Massachusetts. If the validity of any securities is also passed upon by counsel for any underwriters, dealers or agents, that counsel will be named in the prospectus supplement relating to that specific offering.

EXPERTS

The consolidated financial statements of Organogenesis Holdings Inc. as of December 31, 2023 and 2022 and for each of the years in the three-year period ended December 31, 2023 and the effectiveness of internal control over financial reporting as of December 31, 2023 incorporated in this Prospectus by reference from the Organogenesis Holdings Inc. Annual Report on Form 10-K for the year ended December 31, 2023 have been audited by RSM US LLP, an independent registered public accounting firm, as stated in their reports thereon, incorporated herein by reference, and have been incorporated in this Prospectus and Registration Statement in reliance upon such reports and upon the authority of such firm as experts in accounting and auditing.

The report of RSM US LLP dated February 29, 2024, on the effectiveness of internal control over financial reporting as of December 31, 2023, expressed an opinion that Organogenesis Holdings Inc. had not maintained effective internal control over financial reporting as of December 31, 2023, based on criteria established in *Internal Control — Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission in 2013.

ORGANOGENESIS

Up to \$75,000,000

Class A Common Stock

PROSPECTUS SUPPLEMENT

BTIG
Citizens Capital Markets

August 6, 2026
