UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

Form 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of May 2025 Commission File Number 001-38370

CollPlant Biotechnologies Ltd. (Exact name of registrant as specified in its charter)

4 Oppenheimer St, Weizmann Science Park Rehovot 7670104, Israel (Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F ⊠ Form 40-F □

This Form 6-K including the press release attached hereto (other than the third paragraph of the press release) is hereby incorporated by reference into the registrant's Registration Statements on Form S-8 (File No. <u>333-229163</u>, <u>333-248479</u>, <u>333-263842</u>, <u>333-271320</u> and <u>333-279791</u>) and Form F-3 (File No. <u>333-238731</u> and <u>333-269087</u>), to be a part thereof from the date on which this report is submitted, to the extent not superseded by documents or reports subsequently filed or furnished.

On May 30, 2025, CollPlant Biotechnologies Ltd. issued a press release entitled "CollPlant Biotechnologies Announces \$3.6 million Million Registered Direct Offering". A copy of the press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Attached hereto and incorporated by reference herein are the following exhibits:

99.1 Press Release, dated May 30, 2025.

SIGNATURES

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Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: May 30, 2025

COLLPLANT BIOTECHNOLOGIES LTD.

By: /s/ Eran Rotem

Name: Eran Rotem Title: Deputy CEO and Chief Financial Officer

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COLLPLANT BIOTECHNOLOGIES ANNOUNCES \$3.6 MILLION REGISTERED DIRECT OFFERING PRICED AT-THE-MARKET UNDER NASDAQ RULES

REHOVOT, Israel, May 30, 2025 — CollPlant Biotechnologies (Nasdaq: CLGN), a regenerative and aesthetics medicine company developing innovative technologies and products based on its non-animal-derived, rhCollagen for tissue regeneration and medical aesthetics, today announced that it has entered into a definitive agreement for the issuance and sale of an aggregate of 1,200,002 of the Company's ordinary shares at a purchase price of \$3.00 per share in a registered direct offering priced at-the-market under Nasdaq rules. In addition, in a concurrent private placement, the Company will issue unregistered to purchase up to 1,200,002 of the Company's ordinary shares at an exercise price of \$3.00 per share. The warrants will be exercisable immediately following the issuance date and have a term of three and one-half years from the issuance date. The offering is expected to close on or about June 2, 2025, subject to the satisfaction of customary closing conditions.

H.C. Wainwright & Co. is acting as the exclusive placement agent for the offering.

Yehiel Tal, CollPlant's Chief Executive Officer commented, "We believe the additional capital will help shore up our balance sheet and provide us with additional flexibility to execute on our business plan. We remain committed to creating long-term value for our shareholders as we advance our mission to be a leader in the regenerative and aesthetic medicine space."

The gross proceeds from the offering, before deducting the placement agent's fees and other offering expenses payable by the Company, are expected to be approximately \$3.6 million. CollPlant intends to use the net proceeds for general corporate purposes, which may include but are not limited to, supporting the work with its business partner, AbbVie, regarding the dermal filler product candidate, working capital and funding its research and development programs.

The ordinary shares (but not the warrants issued in the private placement or the ordinary shares underlying such warrants) are being offered by CollPlant pursuant to a "shelf" registration statement on Form F-3 (File No. 333-269087) originally filed with the U.S. Securities and Exchange Commission (the "SEC") on December 20, 2022 and declared effective by the SEC on January 10, 2023. The ordinary shares to be issued in the registered direct offering are being offered only by means of a prospectus, including a prospectus supplement, forming a part of the effective registration statement. A final prospectus supplement and the accompanying base prospectus relating to, and describing the terms of, the registered direct offering will be filed with the SEC and will be available on the SEC's website located at http://www.sec.gov. Electronic copies of the final prospectus supplement and the accompanying base prospectus relating to the registered direct offering, when available, may also be obtained by contacting H.C. Wainwright & Co., LLC at 430 Park Avenue, 3rd Floor, New York, NY 10022, by phone at (212) 856-5711 or e-mail at placements@hcwco.com.

The warrants described above are being issued in a concurrent private placement under Section 4(a)(2) of the Securities Act of 1933, as amended (the "Securities Act"), and Regulation D promulgated thereunder and, along with the ordinary shares underlying the warrants, have not been registered under the Securities Act, or applicable state securities laws. Accordingly, the warrants and underlying ordinary shares may not be offered or sold in the United States except pursuant to an effective registration statement or an applicable exemption from the registration requirements of the Securities Act and such applicable state securities laws.

This press release shall not constitute an offer to sell or a solicitation of an offer to buy, nor shall there be any sale of these securities in any jurisdiction in which such an offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction.

About CollPlant

CollPlant is a regenerative and aesthetic medicine company ushering in a new era of medical solutions with a focus on 3D bioprinting of tissues and organs, tissue repair and medical aesthetics. The Company's products are based on its rhCollagen (recombinant human collagen) produced with CollPlant's proprietary plant-based genetic engineering technology. These products address indications for the diverse fields of tissue repair, aesthetics, and organ manufacturing.

In 2021, CollPlant entered into a development and global commercialization agreement for dermal and soft tissue fillers with Allergan, an AbbVie company, the global leader in the dermal filler market.

For more information about CollPlant, visit http://www.collplant.com.

Forward-Looking Statements

This press release includes forward-looking statements. Forward-looking statements include, but are not limited to, statements relating to the completion of the registered direct offering, the satisfaction of customary closing conditions related to the registered direct offering, the intended use of proceeds from the registered direct offering, as well as statements, other than historical facts, that address activities, events or developments that CollPlant intends, expects, projects, believes or anticipates will or may occur in the future. These statements are often characterized by terminology such as "believes," "hopes," "may," "anticipates," "should," "intends," "plans," "will," "expects," "estimates," "projects," "positioned," "strategy" and similar expressions and are based on assumptions and assessments made in light of management's experience and perception of historical trends, current conditions, expected future developments and other factors believed to be appropriate.

Forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties that could cause actual results to differ materially from those expressed or implied in such statements. Many factors could cause CollPlant's actual activities or results to differ materially from the activities and results anticipated in forward-looking statements, including, but not limited to, the following: the Company's history of significant losses, its need to raise additional capital and its inability to obtain additional capital on acceptable terms, or at all, including uncertainties surrounding the methods of fundraising and the Company's preferences regarding such methods, and including its ability to conclude a non-dilutive financing transaction; the Company's expectations regarding the costs and timing of commencing and/or concluding pre-clinical and clinical trials with respect to breast implants, tissues and organs which are based on its rhCollagen based BioInk and other products for medical aesthetics, and specifically the Company's ability to initiate its next large-animal study for its breast implants in a timely manner, or at all; the Company's or Company's strategic partners' ability to obtain favorable pre-clinical and clinical trial results; regulatory action with respect to rhCollagen-based bioink and medical aesthetics products or product candidates including, but not limited to, acceptance of an application for marketing authorization review and approval of such application, and, if approved, the scope of the approved indication and labeling; commercial success and market acceptance of the Company's rhCollagen based products, in 3D Bioprinting and medical aesthetics; the Company's ability to establish sales and marketing capabilities or enter into agreements with third parties and its reliance on third party distributors and resellers; the Company's ability to establish and maintain strategic partnerships and other corporate collaborations, including its partnership with AbbVie and its ability to continue to receive milestone and royalties payments under the AbbVie agreement; the Company's reliance on third parties to conduct some or all aspects of its product development and manufacturing; the scope of protection the Company is able to establish and maintain for intellectual property rights and the Company's ability to operate its business without infringing the intellectual property rights of others; current or future unfavorable economic and market conditions and adverse developments with respect to financial institutions and associated liquidity risk; the impact of competition and new technologies; general market, political, and economic conditions in the countries in which the Company operates, including, with respect to the ongoing war in Israel, projected capital expenditures and liquidity, changes in the Company's strategy and development plans and projects, and litigation and regulatory proceedings. More detailed information about the risks and uncertainties affecting CollPlant are contained under the heading "Risk Factors" included in CollPlant's most recent annual report on Form 20-F filed with the SEC, and in other filings that CollPlant has made and may make with the SEC in the future. The forward-looking statements contained in this press release are made as of the date of this press release and reflect CollPlant's current views with respect to future events, and CollPlant does not undertake and specifically disclaims any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

Contacts

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