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

FORM S-8
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

STANDARD BIOTOOLS INC.
(Exact Name of Registrant as Specified in its Charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

77-0513190
(I.R.S. Employer
Identification Number)

2 Tower Place, Suite 2000
South San Francisco, California 94080
(Address of Principal Executive Offices) (Zip Code)

Standard BioTools Inc. Amended and Restated 2011 Equity Incentive Plan, As Amended

(Full Title of Plan)

Michael Egholm, Ph.D.
President and Chief Executive Officer
2 Tower Place, Suite 2000
South San Francisco, CA 94080
(650) 266-6000

(Name, Address and Telephone Number, including area code, of Agent for Service)

Copy to:

William C. Hicks, Esq.
John T. Rudy, Esq.
Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.
One Financial Center
Boston, MA 02111
(617) 542-6000

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

Large accelerated filer ☐
Non-accelerated filer ☐

Accelerated filer ☒
Smaller reporting company ☐
Emerging growth company ☐

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

EXPLANATORY NOTE

This Registration Statement on Form S-8 (this “Registration Statement”) is being filed by Standard BioTools Inc. (f/k/a Fluidigm Corporation) (the “Registrant”) for the purpose of registering an additional 17,400,000 shares of common stock, par value \$0.001 per share, of the Registrant (the “Common Stock”) reserved for issuance under the Standard BioTools Inc. Amended and Restated 2011 Equity Incentive Plan, As Amended (the “2011 Plan”), effective as of June 18, 2025. This registration statement registers additional securities of the same class as other securities for which a registration statement filed on Form S-8 (File No. 333-172206) relating to an employee benefit plan is effective. The information contained in the Registrant’s registration statements on Form S-8 filed with the Securities and Exchange Commission on [February 11, 2011](#), [March 26, 2012](#), [March 12, 2013](#), [February 21, 2014](#), [February 26, 2015](#), [March 3, 2016](#) (as amended on [March 15, 2016](#)), [January 13, 2017](#), [January 16, 2018](#), [January 11, 2019](#), [June 28, 2019](#), [July 10, 2020](#), [May 28, 2021](#), [June 16, 2023](#), [January 19, 2024](#) and [August 6, 2024](#) (File Nos. 333-172206, 333-180363, 333-187204, 333-194084, 333-202325, 333-209904, 333-215555, 333-222561, 333-229214, 333-232441, 333-239810, 333-256617, 333-272753, 333-276620 and 333-281295) is hereby incorporated by reference pursuant to General Instruction E of Form S-8.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 8. Exhibits.

Exhibit No.	Description	Form	Incorporated by Reference From Exhibit Number	Date Filed
<u>4.1</u>	<u>Specimen Common Stock Certificate of the Registrant.</u>	<u>S-8</u>	<u>4.1</u>	<u>4/1/2022</u>
<u>4.2</u>	<u>Eighth Amended and Restated Certificate of Incorporation of the Registrant filed on February 15, 2011.</u>	<u>10-K</u>	<u>3.1</u>	<u>3/28/2011</u>
<u>4.3</u>	<u>Certificate of Amendment to the Eighth Amended and Restated Certificate of Incorporation filed on April 1, 2022.</u>	<u>S-8</u>	<u>4.3</u>	<u>4/1/2022</u>
<u>4.4</u>	<u>Second Certificate of Amendment to the Eighth Amended and Restated Certificate of Incorporation filed on January 4, 2024.</u>	<u>8-K</u>	<u>3.1</u>	<u>1/5/2024</u>
<u>5.1*</u>	<u>Opinion of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.</u>			
<u>23.1*</u>	<u>Consent of PricewaterhouseCoopers LLP, Independent Registered Public Accounting Firm.</u>			
<u>24.1*</u>	<u>Power of Attorney (included on the signature page to this registration statement).</u>			
<u>99.1#</u>	<u>Standard BioTools Inc. Amended and Restated 2011 Equity Incentive Plan, As Amended.</u>	<u>8-K</u>	<u>10.1</u>	<u>6/20/2025</u>
<u>107*</u>	<u>Filing Fee Table</u>			

* Filed herewith.

Indicates management contract or compensatory plan, contract, or arrangement.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of South San Francisco, State of California, on August 15, 2025.

STANDARD BIOTOOLS INC.

By: /s/ Michael Egholm, Ph.D.
Michael Egholm, Ph.D.
President and Chief Executive Officer

POWER OF ATTORNEY

Each person whose signature appears below constitutes and appoints each of Michael Egholm, Ph.D. and Alex Kim, acting alone or together with another attorney-in-fact, as his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for such person and in his or her name, place and stead, in any and all capacities, to sign any or all further amendments (including post-effective amendments) to this registration statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

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

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Michael Egholm, Ph.D.</u> Michael Egholm, Ph.D.	President, Chief Executive Officer and Director (Principal Executive Officer)	August 15, 2025
<u>/s/ Alex Kim</u> Alex Kim	Chief Financial Officer (Principal Financial and Accounting Officer)	August 15, 2025
<u>/s/ Tom Carey</u> Tom Carey	Chairman of the Board of Directors	August 15, 2025
<u>/s/ Frank R. Witney, Ph.D.</u> Frank R. Witney, Ph.D.	Director	August 15, 2025
<u>/s/ Fenel M. Eloi</u> Fenel M. Eloi	Director	August 15, 2025
<u>/s/ Troy Cox</u> Troy Cox	Director	August 15, 2025
<u>/s/ Eli Casdin</u> Eli Casdin	Director	August 15, 2025
<u>/s/ Kathy Hibbs</u> Kathy Hibbs	Director	August 15, 2025

One Financial Center
Boston, MA 02111
617 542 6000
mintz.com



August 15, 2025

Standard BioTools Inc.
2 Tower Place, Suite 2000
South San Francisco, CA 94080

Re: Registration Statement on Form S-8

Ladies and Gentlemen:

We have acted as legal counsel to Standard BioTools Inc., a Delaware corporation (the “Company”), in connection with the preparation and filing with the Securities and Exchange Commission (the “Commission”) of a Registration Statement on Form S-8 (the “Registration Statement”), pursuant to which the Company is registering the issuance under the Securities Act of 1933, as amended (the “Securities Act”), of an aggregate of 17,400,000 additional shares (the “Shares”) of the Company’s common stock, par value \$0.001 per share, that may be issued pursuant to the Company’s Amended and Restated 2011 Equity Incentive Plan, As Amended (the “2011 Plan”). This opinion is being rendered in connection with the filing of the Registration Statement with the Commission. All capitalized terms used herein and not otherwise defined shall have the respective meanings given to them in the Registration Statement.

In connection with this opinion, we have examined the Company’s Eighth Amended and Restated Certificate of Incorporation, as amended, and Amended and Restated Bylaws, each as currently in effect; such other records of the corporate proceedings of the Company and certificates of the Company’s officers as we have deemed relevant; and the Registration Statement and the exhibits thereto.

In our examination, we have assumed the genuineness of all signatures, the legal capacity of natural persons, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted to us as copies, the authenticity of the originals of such copies, and the truth and correctness of any representations and warranties contained therein. In addition, we have assumed that the Company will receive any required consideration in accordance with the terms of the 2011 Plan.

Our opinion expressed herein is limited to the General Corporation Law of the State of Delaware and we express no opinion with respect to the laws of any other jurisdiction. No opinion is expressed herein with respect to the qualification of the Shares under the securities or blue sky laws of any state or any foreign jurisdiction.

Please note that we are opining only as to the matters expressly set forth herein, and no opinion should be inferred as to any other matters. This opinion is based upon currently existing statutes, rules, regulations and judicial decisions, and we disclaim any obligation to advise you of any change in any of these sources of law or subsequent legal or factual developments which might affect any matters or opinions set forth herein.

Based upon the foregoing, we are of the opinion that the Shares, when issued and delivered in accordance with the terms of the 2011 Plan, will be validly issued, fully paid and non-assessable.

BOSTON LOS ANGELES MIAMI NEW YORK SAN DIEGO SAN FRANCISCO TORONTO WASHINGTON

MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO, P.C.

We understand that you wish to file this opinion with the Commission as an exhibit to the Registration Statement in accordance with the requirements of Item 601(b)(5) of Regulation S-K promulgated under the Securities Act, and we hereby consent thereto. In giving this consent, we do not admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.
Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of Standard BioTools Inc. of our report dated March 10, 2025 relating to the financial statements, and the effectiveness of internal control over financial reporting, which appears in Standard BioTools Inc.'s Annual Report on Form 10-K for the year ended December 31, 2024.

/s/ PricewaterhouseCoopers LLP

Irvine, California

August 15, 2025

[illegible]