

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

June 25, 2024

VIA EDGAR

United States Securities and Exchange Commission
Division of Corporation Finance
Office of Industrial Applications and Services
100 F Street, N.E.
Washington, D.C. 20549
Attention: Nicholas O'Leary

RE: Standard BioTools Inc.
Registration Statement on Form S-3
File No. 333-280321
Request for Acceleration of Effectiveness

Ladies and Gentlemen:

In accordance with Rule 461 promulgated under the Securities Act of 1933, as amended, Standard BioTools Inc. (the "Company") hereby requests acceleration of the effective date of the Registration Statement on Form S-3 (File No. 333-280321) (the "Registration Statement") so that it may become effective at 4:00 p.m. Eastern Time on Thursday, June 27, 2024, or as soon as possible thereafter.

The Company hereby authorizes John T. Rudy, Esq. of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. to orally modify or withdraw this request for acceleration.

The Company respectfully requests that it be notified of such effectiveness by a telephone call to Mr. Rudy at (617) 348-3050 and that such effectiveness also be confirmed in writing. Any questions regarding this request may be addressed to Mr. Rudy.

Very truly yours,

STANDARD BIOTOOLS INC.

/s/ Michael Egholm, Ph.D.

Michael Egholm, Ph.D.

President and Chief Executive Officer

cc: Standard BioTools Inc.
Jeffrey Black, *Chief Financial Officer*
Agnieszka Gallagher, Esq., *Senior Vice President and Chief Legal Officer*

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

John T. Rudy, Esq.
