

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

February 5, 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: Robert Augustin

**RE:                   Standard BioTools Inc.  
                          Registration Statement on Form S-3, as amended  
                          File No. 333-276628  
                          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, as amended (File No. 333-276628) (the "Registration Statement"), so that it may become effective at 4:00 p.m. Eastern Time on Wednesday, February 7, 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/ Jeffrey Black  
Jeffrey Black  
Chief Financial Officer

cc: Standard BioTools Inc.  
Michael Egholm, Ph.D., *President and Chief Executive Officer*  
Agnieszka Gallagher, Esq., *Senior Vice President and Chief Legal Officer*

Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.  
John T. Rudy, Esq.

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