

CYTEK BIOSCIENCES, INC.
46107 Landing Parkway
Fremont, CA 94538

July 20, 2021

VIA EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549

Attn: Taylor Beech
Dietrich King
Eric Atallah
Mary Mast

**Re: Cytek Biosciences, Inc.
Registration Statement on Form S-1, as amended (File No. 333-257663)
Request for Acceleration of Effective Date**

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Cytek Biosciences, Inc. (the "Company") hereby requests that the Securities and Exchange Commission (the "Commission") accelerate the effective date of the above-referenced Registration Statement on Form S-1 (as amended, the "Registration Statement") and declare the Registration Statement effective as of 4:00 p.m., New York City time, on July 22, 2021, or as soon thereafter as possible, or at such other time as the Company or its counsel may request by telephone to the staff of the Commission. The Company hereby authorizes each of Gordon Ho and Ryan James of Cooley LLP, counsel to the Company, to make such a request on its behalf. This request for acceleration is subject, however, to your receiving a telephone call prior to such time from Cooley LLP confirming this request.

Once the Registration Statement has been declared effective, please orally confirm that event with Gordon Ho of Cooley LLP at (650) 843-5190, or in his absence, Ryan James of Cooley LLP at (650) 843-5846.

Under separate cover, you will receive today a letter from the managing underwriters of the proposed offering joining in the Company's request for acceleration of the effectiveness of the Registration Statement.

[Signature page follows]

Very truly yours,

Cytek Biosciences, Inc.

By: /s/ Wenbin Jiang, Ph.D.

Name: Wenbin Jiang, Ph.D.

Title: President and Chief Executive Officer

[Signature Page to Acceleration Request]