

April 7, 2021

John Sperzel
President and Chief Executive Officer
T2 Biosystems, Inc.
101 Hartwell Ave.
Lexington, MA 02421

Re: T2 Biosystems, Inc.
Registration

Statement on Form S-3

Filed March 31,

2021

File No. 333-254918

Dear Mr. Sperzel:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Margaret

Schwartz at 202-551-7153 with any questions.

Sincerely,

Division of Corporation Finance

Office of Life Sciences

cc:

Evan Smith, Esq.