

October 22, 2018

Michael T. Gibbs, Esq.
General Counsel
T2 Biosystems, Inc.
101 Hartwell Ave.
Lexington, MA 02421

Re: T2 Biosystems, Inc.
Registration Statement on Form S-3
Filed October 15, 2018
File No. 333-227847

Dear Mr. Gibbs:

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 Tim Buchmiller at (202) 551-3635 with any questions.

Sincerely,

Division of

Office of

Corporation Finance

Electronics and Machinery

cc: Johan V. Brigham, Esq.