

March 7, 2022

Linda Rockett, Esq.
Senior Vice President, General Counsel
Wave Life Sciences Ltd.
c/o 733 Concord Avenue
Cambridge, MA 02138

Re: Wave Life Sciences

Ltd.

Registration

Statement on Form S-3

Filed March 3, 2022

File No. 333-263251

Dear Ms. Rockett:

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 Corporation Finance

Office of Life Sciences

cc:

John P. Condon, Esq.