

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

March 31, 2022

Snehal Patel Chief Executive Officer Greenwich LifeSciences, Inc. 3992 Bluebonnet Dr., Building 14 Stafford, TX 77477

> Re: Greenwich LifeSciences, Inc. Registration Statement on Form S-3 Filed March 25, 2022 File No. 333-263855

Dear Mr. Patel:

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 Gary Guttenberg at (202) 551-6477 with any questions.

Sincerely,

Division of Corporation Finance Office of Life Sciences

cc: Jeffrey Fessler