



DIVISION OF
CORPORATION FINANCE

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

April 17, 2024

Keith Murphy
Executive Chairman
Organovo Holdings, Inc.
11555 Sorrento Valley Road, Suite 100
San Diego, CA 92121

Re: Organovo Holdings, Inc.
Registration Statement on Form S-1
Filed April 12, 2024
File No. 333-278668

Dear Keith Murphy:

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 Doris Stacey Gama at 202-551-3188 with any questions.

Sincerely,

Division of Corporation Finance
Office of Life Sciences

cc: Samantha Eldredge, Esq.