

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

May 17, 2023

Sean Wirtjes Chief Financial Officer Rapid Micro Biosystems, Inc. 1001 Pawtucket Boulevard West, Suite 280 Lowell, MA 01854

> Re: Rapid Micro Biosystems, Inc. Form 10-K for the fiscal year ended December 31, 2022 Filed March 10, 2023 File No. 001-40592

Dear Sean Wirtjes:

We have completed our review of your filing. 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.

Sincerely,

Division of Corporation Finance Office of Industrial Applications and Services