



DIVISION OF
CORPORATION FINANCE

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

December 21, 2023

Robert Spignesi
Chief Executive Officer
Rapid Micro Biosystems, Inc.
1001 Pawtucket Boulevard West, Suite 280
Lowell, MA 01854

**Re: Rapid Micro Biosystems, Inc.
Registration Statement on Form S-3
Filed December 15, 2023
File No. 333-276081**

Dear Robert Spignesi:

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 Benjamin Richie at 202-551-7857 with any questions.

Sincerely,

Division of Corporation Finance
Office of Industrial Applications and
Services

cc: Adam Johnson