

December 21, 2023

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

Biosystems, Inc.

Statement on Form S-3  
2023

Re: Rapid Micro  
Registration  
Filed December 15,  
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