

July 8, 2021

Doug Doerfler
Chief Executive Officer
MaxCyte, Inc.
22 Firstfield Road, Suite 110
Gaithersburg, MD 20878

Re: MaxCyte, Inc.
Amendment No. 1 to
Draft Registration

Submitted June 25,

CIK No. 0001287098

Statement on Form S-1
2021

Dear Mr. Doerfler:

We have reviewed your amended draft registration statement and have the following comments. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter by providing the requested information and either submitting an amended draft registration statement or publicly filing your registration statement on EDGAR. If you do not believe our comments apply to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing the information you provide in response to these comments and your amended draft registration statement or filed registration statement, we may have additional comments.

Amendment No. 1 to Draft Registration Statement on Form S-1

Overview, page 86

1. We note your response to comment 12. Please disclose the phase of clinical development for each product, or tell us why you are unable to disclose that information and do not believe the status to be material.

Doug Doerfler
MaxCyte, Inc.
July 8, 2021
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You may contact Amy Geddes at 202-551-3304 or Linda Cvrkel at 202-551-3813 if you have questions regarding comments on the financial statements and related matters. Please contact Julia Griffith at 202-551-3267 or Justin Dobbie at 202-551-3469 with any other questions.

FirstName LastName Doug Doerfler
Comapany Name MaxCyte, Inc.

Finance
July 8, 2021 Page 2
Services
FirstName LastName

Sincerely,

Division of Corporation

Office of Trade &