

MARAVAI LIFESCIENCES HOLDINGS, INC.

September 7, 2021

VIA EDGAR

United States Securities and Exchange Commission
Division of Corporation Finance
Office of Life Sciences
100 F Street, N.E.
Washington, D.C. 20549-1090

Attention: Michael Davis
Joe McCann

**Re: Maravai LifeSciences Holdings, Inc.
Registration Statement on Form S-1 (File No. 333-259366)
Originally Filed September 7, 2021
Request for Acceleration of Effective Date
CIK: 0001823239**

Ladies and Gentlemen:

Maravai LifeSciences Holdings, Inc., a Delaware corporation (the "Company"), hereby requests acceleration of the effective date of its Registration Statement on Form S-1 (File No. 333-259366), originally filed on September 7, 2021 (the "Registration Statement"), to 4:00 p.m., Eastern time, on September 9, 2021 or as soon thereafter as practicable.

* * * *

Please contact Robert Goedert, P.C. of Kirkland & Ellis LLP, special counsel to the Company, at (312)862-7317, as soon as the Registration Statement has been declared effective, or if you have any other questions or concerns regarding this matter.

Sincerely,

MARAVAI LIFESCIENCES HOLDINGS, INC.

By: /s/ Carl Hull
Name: Carl Hull
Title: Chief Executive Officer