



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

DIVISION OF
CORPORATION FINANCE

Mailstop 3561

September 13, 2018

Via E-mail

Helmy Eltoukhy
Chief Executive Officer
Guardant Health, Inc.
505 Penobscot Dr.
Redwood City, California 94063

**Re: Guardant Health, Inc.
Registration Statement on Form S-1
Filed September 6, 2018
File No. 333-227206**

Dear Mr. Eltoukhy:

We have reviewed your 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 amending your registration statement and providing the requested information. 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 any amendment to your registration statement and the information you provide in response to these comments, we may have additional comments.

Use of Proceeds, page 59

1. Please specify the principal purposes of the net proceeds that you will receive from the offering, including the approximate amount intended to be used for each such purpose. See Item 504 of Regulation S-K.

Dilution, page 63

2. Please tell us and disclose your basis for not deducting redeemable non-controlling interest amounts in arriving at the historical and pro forma net tangible book value amounts presented. Alternatively, revise your computations accordingly.

Management's Discussion and Analysis of Financial Condition and Results of Operations
Comparison of the six months ended June 30, 2017 and 2018, page 74

3. We note your disclosure that cash receipts relative to the number of tests processed in period were higher in the six months ended June 30, 2018 compared to the prior period. Please disclose the period-to-period change. See Item 303(b)(2) of Regulation S-K.

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.

Refer to Rules 460 and 461 regarding requests for acceleration. Please allow adequate time for us to review any amendment prior to the requested effective date of the registration statement.

You may contact Linda Cvrkel at (202) 551-3813 or Rufus Decker at (202) 551-3769 if you have questions regarding comments on the financial statements and related matters. Please contact Michael Killoy at (202) 551-7576 or Brigitte Lippmann at (202) 551-3356 with any other questions.

Sincerely,

/s/ Brigitte Lippmann (for)

John Reynolds
Assistant Director
Office of Beverages, Apparel,
and Mining

cc: B. Shayne Kennedy
Latham & Watkins LLP