



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

DIVISION OF  
CORPORATION FINANCE

Mail Stop 3030

January 3, 2018

Via E-mail

Dr. Shai Yarkoni  
Chief Executive Officer  
Cellect Biotechnology Ltd.  
23 Hata'as Street  
Kfar Saba, Israel 44425

**Re: Cellect Biotechnology Ltd.  
Registration Statement on Form F-1  
Filed December 28, 2017  
File No. 333-222334**

Dear Dr. Yarkoni:

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 Tom Jones at (202) 551-3602 with any questions.

Sincerely,

/s/ Tom Jones for

Amanda Ravitz  
Assistant Director  
Office of Electronics and Machinery

cc: Ronen Kantor, Esq.