

Registrant's telephone number, including area code: (732) 329-8885

Not Applicable

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging Growth Company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 1.01 Entry into a Material Definitive Agreement.

CytoSorbents Corporation (the “Company”) is party to that certain Controlled Equity OfferingSM Sales Agreement, dated November 4, 2015 (the “Sales Agreement”), with Cantor Fitzgerald & Co. (“Cantor”), pursuant to which the Company may offer to sell, from time to time through Cantor, shares of the Company’s common stock. On July 26, 2018, the Company and Cantor entered into that certain Amendment No. 1 to Sales Agreement, to extend the term of the Sales Agreement until the first to occur of (i) the termination of the Sales Agreement by Cantor or the Company, as permitted therein and (ii) the expiration of the Company’s registration statement on Form S-3 filed with the United States Securities and Exchange Commission on July 26, 2018.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

<u>Exhibit No.</u>	<u>Description</u>
<u>10.1</u>	<u>Amendment No. 1 to Sales Agreement, dated as of July 26, 2018, by and between CytoSorbents Corporation and Cantor Fitzgerald & Co.</u>

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: July 26, 2018 CYTOSORBENTS
CORPORATION

By: /s/ Dr. Phillip P. Chan
Name: Dr. Phillip P. Chan
President and
Title: Chief Executive Officer