



**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))

**Item 1.01 Entry into a Material Definitive Agreement.**

On November 4, 2015, CytoSorbents Corporation (the “Company”) entered into a Controlled Equity Offering<sup>SM</sup> Sales Agreement (the “Sales Agreement”) with Cantor Fitzgerald & Co., as agent (“Cantor”), pursuant to which the Company may offer and sell, from time to time through Cantor, shares of the Company’s common stock, par value \$0.001 per share (the “Common Stock”), having an aggregate offering price of up to \$25,000,000 (the “Shares”). Any Shares offered and sold will be issued pursuant to the Company’s shelf registration statement on Form S-3 (Registration No. 333-205806) and the related prospectus previously declared effective by the Securities and Exchange Commission (the “SEC”) on July 29, 2015 (the “Registration Statement”), as supplemented by a prospectus supplement, dated November 4, 2015, which the Company will file with the SEC pursuant to Rule 424(b)(5) under the Securities Act.

Under the Sales Agreement, Cantor may sell Shares by any method permitted by law and deemed to be an “at the market offering” as defined in Rule 415 promulgated under the Securities Act of 1933, as amended, including sales made directly on The NASDAQ Capital Market, on any other existing trading market for the Common Stock or to or through a market maker. In addition, under the Sales Agreement, Cantor may sell the Shares by any other method permitted by law, including in privately negotiated transactions. The Company may instruct Cantor not to sell Shares if the sales cannot be effected at or above the price designated by the Company from time to time.

The Company is not obligated to make any sales of Shares under the Sales Agreement, and if it elects to make any sales, the Company can set a minimum sales price for the Shares. The offering of Shares pursuant to the Sales Agreement will terminate upon the earlier of (a) the sale of all of the Shares subject to the Sales Agreement or (b) the termination of the Sales Agreement by Cantor or the Company, as permitted therein.

The Company will pay Cantor a commission rate of 3.0% of the aggregate gross proceeds from each sale of Shares and has agreed to provide Cantor with customary indemnification and contribution rights. The Company will also reimburse Cantor for certain specified expenses in connection with entering into the Sales Agreement not to exceed \$50,000.

The Company intends to use the net proceeds raised through any “at-the-market” sales for research and development activities, which include the funding of additional clinical studies and costs of obtaining regulatory approvals in countries not covered by the CE Mark, capital expenditures and other costs necessary to expand production capacity, support of various sales and marketing efforts, product development and general working capital purposes

The foregoing description of the Sales Agreement is not complete and is qualified in its entirety by reference to the full text of such agreement, a copy of which is filed herewith as Exhibit 1.1 to this Current Report on Form 8-K and is incorporated herein by reference.

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A copy of the opinion of DLA Piper LLP (US) relating to the legality of the issuance and sale of the shares pursuant to the Sales Agreement is attached as Exhibit 5.1 hereto. This opinion is also filed with reference to, and is hereby incorporated by reference into, the Registration Statement.

This Current Report on Form 8-K shall not constitute an offer to sell or the solicitation of an offer to buy the Shares, nor shall there be any offer, solicitation, or sale of the Shares in any state in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits.

Exhibit

| No.  | Description   |
|------|---|
| 1.1  | Controlled Equity Offering <sup>SM</sup> Sales Agreement, dated November 4, 2015, by and between CytoSorbents Corporation and Cantor Fitzgerald & Co. |
| 5.1  | Opinion of DLA Piper LLP (US)   |
| 23.1 | Consent of DLA Piper LLP (US) (included in Exhibit 5.1)   |

**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: November 4, 2015 CYTOSORBENTS CORPORATION

By: /s/ Dr. Phillip P. Chan

Name: Dr. Phillip P. Chan

Title: President and Chief Executive Officer