Form S-8	
March 14, 2017 As filed with the Securities and	Exchange Commission on March 14, 2017
Registration No. 333	
registration 1vo. 555	-
UNITED STATES	
SECURITIES AND EXCHAN	GE COMMISSION
Washington, D.C. 20549	
Form S-8	
REGISTRATION STATEMEN	NT
UNDER THE	
SECURITIES ACT OF 1933	
ENDOCYTE, INC.	
(Exact name of registrant as spe	ecified in its charter)
	Delaware 35-1969-140
	(State or other jurisdiction of (I.R.S. Employer incorporation or organization) Identification No.)
3000 Kent Avenue, Suite A1-1	00
West Lafayette, IN 47906	
(Address of Principal Executive	e Offices) (Zip Code)
ENDOCYTE, INC.	

2010 equity INCENTIVE plan		
(Full title of the plan)		
Michael A. Sherman		
President and Chief Executive Officer		
Endocyte, Inc.		
3000 Kent Avenue, Suite A1-100		
West Lafayette, IN 47906		
(Name and address of agent for service)		
(765) 463-7175		
(Telephone number, including area code, of agent for service)		
Copy to:		
Christine G. Long		
Faegre Baker Daniels LLP		
600 East 96th Street, Suite 600		
Indianapolis, Indiana 46240		
(317) 569-9600		
Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):		
Large accelerated filer Accelerated Filer		
Non-accelerated filer (Do not check if a smaller reporting company) Smaller Reporting Company		

CALCULATION OF REGISTRATION FEE

		Proposed Maximum	Proposed Maximum	Amount of
Title of Securities	Amount to be	Offering Price	Aggregate Offering	Registration
to be Registered	Registered(1)	Per Share(2)	Price(2)	Fee(2)
Common Stock, par value \$0.001				
per share, to be issued under the				
2010 Equity Incentive Plan	847,000(3)	\$2.295	\$1,943,865.00	\$225.30
Unused 1997 Plan Shares of				
Common Stock	1,884 (4)	\$2.295	\$4,323.78	\$0.50
Unused 2007 Plan Shares of				
Common Stock	15,860 (5)	\$2.295	\$36,398.70	\$4.22
Total	864,744	\$2.295	\$1,984,587.48	\$230.02

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement also registers additional shares of the Registrant's common stock, par value \$0.001 per share (the "Common Stock") as may be offered or issued to prevent dilution resulting from stock splits, stock dividends, and similar transactions in accordance with the anti-dilution provisions of the Endocyte, Inc. 2010 Equity Incentive Plan (the "2010 EIP").
- (2) Estimated solely for the purpose of calculating the registration fee and computed in accordance with Rule 457(c) and (h) under the Securities Act using the average of the high and low sales prices of the Common Stock as reported by the Nasdaq Global Market on March 9, 2017, which was \$2.295 per share.
- (3) This Registration Statement registers an additional 847,000 shares of Common Stock, not previously registered, under the 2010 EIP pursuant to the evergreen provision of the 2010 EIP.
- (4) This Registration Statement registers 1,884 shares of Common Stock, not previously registered, under the 2010 EIP that consisted of outstanding awards that expired, terminated, were forfeited or were repurchased under the Endocyte, Inc. 1997 Stock Plan (the "1997 Plan") through February 28, 2017. The number of shares available for issuance under the 2010 EIP may be increased from time to time by additional shares of Common Stock subject to outstanding awards under the 1997 Plan that expire, terminate, are forfeited or are repurchased for any reason.
- (5) This Registration Statement registers 15,860 shares of Common Stock, not previously registered, under the 2010 EIP that consisted of outstanding awards that expired, terminated, were forfeited or were repurchased under the Endocyte, Inc. 2007 Stock Plan (the "2007 Plan") through February 28, 2017. The number of shares available for issuance under the 2010 EIP may be increased from time to time by additional shares of Common Stock subject to outstanding awards under the 2007 Plan that expire, terminate, are forfeited or are repurchased for any reason.

STATEMENT PURSUANT TO GENERAL INSTRUCTION E

OF FORM S-8 "REGISTRATION OF ADDITIONAL SECURITIES"

Endocyte, Inc. (the "Registrant") filed a Registration Statement on Form S-8 (File No. 333-172121) with the Securities and Exchange Commission (the "Commission") on February 9, 2011 (the "Initial Registration Statement"), which registered shares of the Registrant's Common Stock, par value \$0.001 per share (the "Common Stock") available for issuance under the Endocyte, Inc. 2010 Equity Incentive Plan (the "2010 EIP") among other plans. Pursuant to General Instruction E to Form S-8, the contents of the Initial Registration Statement are incorporated herein by reference.

The Registrant has filed this Form S-8 Registration Statement (this "Registration Statement") to register: (i) 847,000 additional shares of Common Stock, not previously registered, under the 2010 EIP that are available for issuance under the 2010 EIP based on approval by the Registrant's Board of Directors on November 3, 2016 pursuant to the automatic share reserve increase provision of the 2010 EIP (such shares, the "Additional 2010 EIP Shares"); (ii) 1,884 shares of Common Stock, not previously registered, under the 2010 EIP, that were subject to awards that expired or were otherwise terminated without having been exercised in full, or were forfeited to or repurchased by the Registrant, under the Registrant's 1997 Stock Plan (the "1997 Plan") (such shares, the "Newly Available 1997 Plan Shares") through February 28, 2017; and (iii) 15,860 shares of Common Stock, not previously registered, under the 2010 EIP, that were subject to awards that expired or were otherwise terminated without having been exercised in full, or were forfeited to or repurchased by the Registrant, under the Registrant's 2007 Stock Plan (the "2007 Plan") (such shares, the "Newly Available 2007 Plan Shares") through February 28, 2017. The 2010 EIP provides, among other things, that any shares of Common Stock subject to outstanding awards under the 1997 Plan or the 2007 Plan that expire, terminate, are forfeited or are repurchased are available for issuance under the 2010 EIP, subject to certain limitations. The Newly Available 1997 Plan Shares and the Newly Available 2007 Plan Shares were previously registered by the Registrant on the Initial Registration Statement. Concurrently with the filing of this Registration Statement, the Registrant is filing a post-effective amendment to the Initial Registration Statement deregistering the Newly Available 1997 Plan Shares and the Newly Available 2007 Plan Shares that are being carried forward under this Registration Statement.

This Registration Statement is hereby filed to reflect that, following the date hereof, the Additional 2010 EIP Shares, the Newly Available 1997 Plan Shares and the Newly Available 2007 Plan Shares are registered under the 2010 EIP.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 8. Exhibits.

The list of Exhibits is incorporated herein by reference to the Index to Exhibits.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of West Lafayette, State of Indiana, on March 14, 2017.

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Endocyte, Inc.

By: /s/ Michael A. Sherman Michael A. Sherman, President and Chief Executive Officer

POWER OF ATTORNEY

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in their respective capacities and on the respective dates indicated opposite their names. Each person whose signature appears below hereby authorizes Michael A. Sherman and Michael T. Andriole, or either of them, each with full power of substitution, to execute in the name and on behalf of such person any amendment to this Registration Statement, including post-effective amendments, and to file the same, with exhibits thereto, and other documents in connection therewith, making such changes in this Registration Statement as the Registrant deems appropriate, and appoints each of Michael A. Sherman and Michael T. Andriole, each with full power of substitution, attorney-in-fact to sign any amendment and any post-effective amendment to this Registration Statement and to file the same, with exhibits thereto, and other documents in connection therewith.

Signature	Title	Date
/s/ Michael A. Sherman Michael A. Sherman	Director, President and Chief Executive Officer (Principal Executive Officer)	March 14, 2017
/s/ Michael T. Andriole Michael T. Andriole	Chief Financial Officer (Principal Financial Officer)	March 14, 2017
/s/ Beth A. Taylor Beth A. Taylor	Vice President of Finance and Chief Accounting Officer (Principal Accounting Officer)	March 14, 2017
/s/ John C. Aplin John C. Aplin	Chairman of the Board of Directors	March 14, 2017

/s/ Philip S. Low Philip S. Low	Director and Chief Science Officer	March 14, 2017
/s/ Keith E. Brauer Keith E. Brauer	Director	March 14, 2017
/s/ Colin Goddard Colin Goddard	Director	March 14, 2017
/s/ Ann F. Hanham Ann F. Hanham	Director	March 14, 2017
/s/ Marc D. Kozin Marc D. Kozin	Director	March 14, 2017

/s/ Peter D. Meldrum
Peter D. Meldrum

/s/ Fred A. Middleton
Fred A. Middleton

/s/ Lesley Russell
Lesley Russell

Director March 14, 2017

March 14, 2017

March 14, 2017

INDEX TO EXHIBITS

Exhibit	
No.	Description of Exhibit
3.1	Amended and Restated Certificate of Incorporation of the Registrant (incorporated by reference to Exhibit 3.1 to the Annual Report on Form 10-K filed by the Registrant on March 18, 2011, SEC File No. 001-35050).
3.2	Amended and Restated By-Laws of the Registrant (incorporated by reference to Exhibit 3.2 to the Annual Report on Form 10-K filed by the Registrant on March 18, 2011, SEC File No. 001-35050).
4.1	Specimen Common Stock Certificate (incorporated by reference to Exhibit 4.1 to Amendment No. 3 to Form S-1 (Registration No. 333-168904) filed January 12, 2011).
4.2	Endocyte, Inc. 2010 Equity Incentive Plan (incorporated by reference to Exhibit 10.4 to Form S-1 (Registration No. 333-168904) filed August 17, 2010).
5	Opinion of Faegre Baker Daniels LLP.
23.1	Consent of Ernst & Young LLP.
23.2	Consent of Faegre Baker Daniels LLP (contained in the Opinion filed herewith as Exhibit 5).
24	Powers of Attorney (included on the signature page of this Registration Statement).