

Lamadrid David
 Form 4
 September 09, 2011

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Lamadrid David

(Last) (First) (Middle)

C/O CYTOSORBENTS CORP., 7
 DEER PARK DRIVE, SUITE K

(Street)

MONMOUTH
 JUNCTION, NJ 08852

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 Cytosorbents Corp [CTSO]

3. Date of Earliest Transaction
 (Month/Day/Year)
 09/06/2011

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)

Chief Financial Officer

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock	09/06/2011	09/06/2011	S	(A) Code V Amount (D) Price 12,500 (1) \$ 0.215	7,837,500 (2) D	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. F. Derivative Securities (Instr. 3 and 4)
Stock Option	\$ 0.035	09/06/2011	09/06/2011	M	12,500	09/06/2011	(3) Common Stock	Amount or Number of Shares 12,500

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Lamadrid David C/O CYTOSORBENTS CORP. 7 DEER PARK DRIVE, SUITE K MONMOUTH JUNCTION, NJ 08852			Chief Financial Officer	

Signatures

/s/ David
Lamadrid

09/09/2011

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
 - ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The shares of common stock were sold by Mr. Lamadrid pursuant to a 10b5-1 trading plan, adopted by the reporting person on June 8, 2011.
- In addition to the currently outstanding shares of common stock owned by Mr. Lamadrid and reported here, Mr. Lamadrid also beneficially owns the shares of common stock underlying the following stock options: options to purchase 150,000 shares of common stock at \$1.90 per share; options to purchase 1,400,000 shares of common stock at \$0.25 per share; options to purchase 400,000 shares of common stock at \$0.173 per share; options to purchase 400,000 shares of common stock at \$0.168 per share, options to purchase 2,750,000 shares of common stock at \$0.138 per share; and options to purchase 2,737,500 shares of common stock at \$0.035 per share.
- (3) N/A

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.