

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Keese Kyle</u> (Last) (First) (Middle) <u>2273 RESEARCH BLVD, SUITE 400</u> (Street) <u>ROCKVILLE MD 20850</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Emergent BioSolutions Inc. [EBS]</u> 3. Date of Earliest Transaction (Month/Day/Year) <u>05/29/2007</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>SVP, Corp Affairs</u> 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	05/29/2007		M		2,372	A	\$2.74	2,372	D	
Common Stock	05/29/2007		S		1,320	D	\$10.72 ⁽²⁾	1,052	D	
Common Stock	05/30/2007		M		1,798	A	\$2.74	2,850	D	
Common Stock	05/30/2007		S		1,320	D	\$10.16 ⁽³⁾	1,530	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)															
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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (right to buy)	\$2.74	05/29/2007		M			2,372	(1)	06/30/2007	Common Stock	2,372	\$0	40,784	D	
Employee Stock Option (right to buy)	\$2.74	05/30/2007		M			1,798	(1)	06/30/2007	Common Stock	1,798	\$0	38,986	D	

Explanation of Responses:

1. The option became fully vested on December 31, 2006 and expires on June 30, 2007.
2. Reflects the average sales price of shares sold by Merrill Lynch on such date in its administration of Rule 10b5-1 trading plans for Emergent BioSolutions Inc. common stock. These shares were sold at prices ranging from \$10.41 to \$11.29 per share
3. Reflects the average sales price of shares sold by Merrill Lynch on such date in its administration of Rule 10b5-1 trading plans for Emergent BioSolutions Inc. common stock. These shares were sold at prices ranging from \$10.13 to \$10.40 per share

/s/Daniel Abdun-Nabi,
attorney-in-fact

05/31/2007

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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