

**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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person * <u>El-Hibri Fuad</u>  (Last) (First) (Middle) 2273 RESEARCH BLVD, SUITE 400  (Street) ROCKVILLE MD 20850  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Emergent BioSolutions Inc. [ EBS ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>CEO &amp; Chairman</b>
	3. Date of Earliest Transaction (Month/Day/Year) 09/14/2009	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

**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	09/14/2009		M		37,700	A	\$3.5	975,119	D	
Common Stock	09/14/2009		S <sup>(1)</sup>		37,700	D	\$19.26 <sup>(2)</sup>	937,419	D	
Common Stock	09/15/2009		M		16,270	A	\$3.5	953,689	D	
Common Stock	09/15/2009		M		54,000	A	\$10.13	1,007,689	D	
Common Stock	09/15/2009		M		3,730	A	\$7	1,011,419	D	
Common Stock	09/15/2009		S <sup>(1)</sup>		74,000	D	\$19.67 <sup>(3)</sup>	937,419	D	
Common Stock	09/16/2009		M		29,604	A	\$7	967,023	D	
Common Stock	09/16/2009		S <sup>(1)</sup>		50,000	D	\$19.84 <sup>(4)</sup>	917,023	D	
Common Stock								5,011 <sup>(5)</sup>	I	By Karim El-Hibri Trust
Common Stock								5,011 <sup>(5)</sup>	I	By Yusra El-Hibri Trust
Common Stock								5,011 <sup>(5)</sup>	I	By Faiza El-Hibri Trust
Common Stock								7,181,835 <sup>(6)</sup>	I	By Intervac, L.L.C.
Common Stock								2,965,043 <sup>(7)</sup>	I	By BioPharm, L.L.C.
Common Stock								1,599,155 <sup>(8)</sup>	I	By Biovac, L.L.C.

**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					

**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
Employee Stock Option (right to buy)	\$3.5	09/14/2009		M			37,700	01/01/2008	05/25/2010	Common Stock	37,700	\$0	102,582	D	
Employee Stock Option (right to buy)	\$3.5	09/15/2009		M			16,270	01/01/2008	05/25/2010	Common Stock	16,270	\$0	86,312	D	
Employee Stock Option (right to buy)	\$10.13	09/15/2009		M			54,000	(9)	12/12/2013	Common Stock	54,000	\$0	27,000	D	
Employee Stock Option (right to buy)	\$7	09/15/2009		M			3,730	(10)	03/10/2015	Common Stock	3,730	\$0	96,270	D	
Employee Stock Option (right to buy)	\$7	09/16/2009		M			29,604	(10)	03/10/2015	Common Stock	29,604	\$0	66,666	D	

**Explanation of Responses:**

- The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on March 9, 2009, as modified on August 11, 2009.
- This price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$19.09 to \$19.36. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- This price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$19.40 to \$19.85. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- This price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$19.80 to \$19.91. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- These shares are held in a trust for the benefit of a child of the reporting person. The reporting person is trustee of this trust. The reporting person disclaims beneficial ownership of these securities, and the filing of this report is not an admission that the reporting person is the beneficial owner of these securities for purposes of Section 16 or for any other purpose.
- Mr. El-Hibri holds, individually and with his wife, as tenants by the entirety, an aggregate 38.0276% equity interest in Intervac, L.L.C. Intervac, L.L.C. is the direct owner of 7,181,835 shares of Common Stock. Mr. El-Hibri disclaims beneficial ownership of the shares of Common Stock directly owned by Intervac, L.L.C. for purposes of Section 16, except to the extent of his pecuniary interest therein in 2,731,079 shares.
- Mr. El-Hibri is the holder of a 40.17% (567,582.3 units) equity interest in BioPharm, L.L.C. BioPharm, L.L.C. is the direct owner of 2,965,043 shares of Common Stock. Mr. El-Hibri disclaims beneficial ownership of these shares for purposes of Section 16, except to the extent of his pecuniary interest in 1,191,057 shares.
- Mr. El-Hibri holds with his wife, as tenants by the entirety, a 89.2% equity interest in Biovac, L.L.C. Biovac, L.L.C. is the direct owner of 1,599,155 shares of Common Stock. Mr. El-Hibri disclaims beneficial ownership of these shares for purposes of Section 16, except to the extent of his pecuniary interest in 1,426,446 shares.
- The option vests in three equal installments on December 12, 2007, December 12, 2008 and December 12, 2009.
- The option vests in three equal installments on March 11, 2009, March 11, 2010 and March 11, 2011.

/s/ Carl A. Valenstein, attorney- 09/16/2009  
in-fact

\*\* 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.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.**