

Mathew Aby J.  
Form 3  
August 20, 2012

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Mathew Aby J.		(Month/Day/Year)	BIOLIFE SOLUTIONS INC [BLFS]	
(Last)	(First)	(Middle)	08/10/2012	
3303 MONTE VILLA PARKWAY, #310			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
BOTHELL, WA 98021			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			Senior VP	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	471,036	D	

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

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date		Amount or Number of Shares		or Indirect (I) (Instr. 5)	
Stock Option (right to buy)	Â (1)	09/28/2015	Common Stock	60,000	\$ 0.08	D	Â
Stock Option (right to buy)	Â (2)	10/12/2016	Common Stock	100,000	\$ 0.07	D	Â
Stock Option (right to buy)	Â (3)	02/07/2017	Common Stock	500,000	\$ 0.08	D	Â
Stock Option (right to buy)	Â (4)	08/07/2017	Common Stock	340,000	\$ 0.1	D	Â
Stock Option (right to buy)	Â (5)	02/11/2018	Common Stock	100,000	\$ 0.05	D	Â
Stock Option (right to buy)	Â (6)	11/05/2018	Common Stock	100,000	\$ 0.04	D	Â
Stock Option (right to buy)	Â (7)	02/05/2020	Common Stock	531,532	\$ 0.1	D	Â
Stock Option (right to buy)	Â (8)	02/11/2021	Common Stock	776,316	\$ 0.08	D	Â
Stock Option (right to buy)	Â (9)	02/15/2022	Common Stock	250,000	\$ 0.1	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Mathew Aby J. 3303 MONTE VILLA PARKWAY #310 BOTHELL, WA 98021	Â	Â	Â Senior VP	Â

## Signatures

/s/ Aby J  
Mathew

08/17/2012

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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) Exercisable in four equal annual installments commencing on 9/28/2006
- (2) Exercisable in four equal annual installments commencing on 10/12/2007
- (3) Exercisable in four equal annual installments commencing on 02/07/2008
- (4) Exercisable in four equal annual installments commencing on 08/07/2008

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- (5) Exercisable in four equal annual installments commencing on 02/11/2009
- (6) Exercisable in four equal annual installments commencing on 11/05/2009
- (7) Exercisable in four equal annual installments commencing on 02/05/2011
- (8) Exercisable in four equal annual installments commencing on 02/11/2012
- (9) Exercisable to the extent of 62,500 on 2/15/2013, and remaining balance exercisable to the extent of 1/36th thereof on the 15th day of each month commencing on 3/15/2013.

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.