

Casdin Eli
 Form 3
 August 15, 2018

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 | |
| Â Casdin Partners Master Fund, L.P. | | | (Month/Day/Year) | BIOLIFE SOLUTIONS INC [BLFS] | |
| (Last) | (First) | (Middle) | 08/10/2018 | | |
| 1350 AVENUE OF THE AMERICAS,Â SUITE 2405 | | | 4. Relationship of Reporting Person(s) to Issuer | | |
| (Street) | | | (Check all applicable) | | |
| NEW YORK,Â NYÂ 10019 | | | <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) | | |
| (City) | (State) | (Zip) | 5. If Amendment, Date Original Filed(Month/Day/Year) | | |
| | | | 6. Individual or Joint/Group Filing(Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person | | |

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, par value \$0.001 per share | 2,428,571 | D ⁽¹⁾ | Â |

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 | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|--|---|---|--|
|---|---|--|---|---|--|

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| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) |
|------------------|-----------------|-------|----------------------------|----------|---------------------------------------|
|------------------|-----------------|-------|----------------------------|----------|---------------------------------------|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Casdin Partners Master Fund, L.P. 1350 AVENUE OF THE AMERICAS SUITE 2405 NEW YORK, NY 10019 | ^ | ^ X | ^ | ^ |
| Casdin Capital, LLC 1350 AVENUE OF THE AMERICAS SUITE 2405 NEW YORK, NY 10019 | ^ | ^ X | ^ | ^ |
| Casdin Partners GP, LLC 1350 AVENUE OF THE AMERICAS SUITE 2405 NEW YORK, NY 10019 | ^ | ^ X | ^ | ^ |
| Casdin Eli 1350 AVENUE OF THE AMERICAS SUITE 2405 NEW YORK, NY 10019 | ^ | ^ X | ^ | ^ |

Signatures

| | | |
|---|--|------------|
| Casdin Partners Master Fund LP, By: Casdin Partners GP, LLC, its General Partner, By: /s/ Eli Casdin, Managing Member | | 08/15/2018 |
| __Signature of Reporting Person | | Date |
| Casdin Capital, LLC, By: /s/ Eli Casdin, Managing Member | | 08/15/2018 |
| __Signature of Reporting Person | | Date |
| Casdin Partners GP LLC, By: /s/ Eli Casdin, Managing Member | | 08/15/2018 |
| __Signature of Reporting Person | | Date |
| /s/ Eli Casdin | | 08/15/2018 |
| __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) The securities are owned directly by Casdin Partners Master Fund, LP and may be deemed to be indirectly beneficially owned by (i) Casdin Capital, LLC, the investment adviser to Casdin Partners Master Fund, LP, (ii) Casdin Partners GP, LLC, the general partner of Casdin Partners Master Fund LP, and (ii) Eli Casdin, the managing member of Casdin Capital, LLC and Casdin Partners GP, LLC.

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Remarks:

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Each Reporting Person disclaims beneficial ownership in the securities reported on this Form 3 except

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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