

DEEDRICK JOHN ARTHUR  
Form 3  
September 17, 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 <b>and</b> Ticker or Trading Symbol  |  |
| Â DEEDRICK JOHN ARTHUR                    |         |          | (Month/Day/Year)                     |  | Bacterin International Holdings, Inc. [BONE]  |  |
| (Last)                                    | (First) | (Middle) | 09/06/2012                           |  | 4. Relationship of Reporting Person(s) to Issuer  |  |
| 664 CRUISER LANE                          |         |          |                                      |  | 5. If Amendment, Date Original Filed(Month/Day/Year)  |  |
| (Street)                                  |         |          |                                      |  |   |  |
| BELGRADE,Â MTÂ 59714                      |         |          |                                      |  | 6. Individual or Joint/Group Filing(Check Applicable Line)  |  |
| (City)                                    | (State) | (Zip)    |                                      |  | <input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person   |  |
|   |         |          |                                      |  | (Check all applicable)<br><input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner<br><input type="checkbox"/> Officer <input type="checkbox"/> Other<br>(give title below)    (specify below) |  |

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

|                                    |  |   |  |
|------------------------------------|--|---|--|
| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|--|---|--|

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<br>(Instr. 4) | 2. Date Exercisable and Expiration Date<br>(Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|   | Date Exercisable    Expiration Date                         | Title    Amount or Number of Shares  |  |  |  |

|              |            |            |                 |        |         |   |   |
|--------------|------------|------------|-----------------|--------|---------|---|---|
| Stock Option | 09/06/2013 | 09/06/2022 | Common<br>Stock | 50,000 | \$ 1.65 | D | Â |
|--------------|------------|------------|-----------------|--------|---------|---|---|

## Reporting Owners

| Reporting Owner Name / Address                                   | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| DEEDRICK JOHN ARTHUR<br>664 CRUISER LANE<br>BELGRADE,Â MTÂ 59714 | Â X           | Â         | Â       | Â     |

## Signatures

/s/ John  
Deedrick

09/13/2012

\*\*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).

Â

### Remarks:

ExhibitÂ 24Â -Â LimitedÂ PowerÂ ofÂ Attorney

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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