

Sientra, Inc.  
 Form 3  
 October 28, 2014

**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 ORBIMED ADVISORS LLC                    |         |          | (Month/Day/Year)                     |  | Sientra, Inc. [SIEN]  |  |
| (Last)                                    | (First) | (Middle) | 10/28/2014                           |  |   |  |
| 601 LEXINGTON AVENUE,<br>54TH FLOOR       |         |          |                                      |  | 4. Relationship of Reporting Person(s) to Issuer  |  |
| (Street)                                  |         |          |                                      |  | 5. If Amendment, Date Original Filed(Month/Day/Year)  |  |
| NEW YORK, NY 10022                        |         |          |                                      |  | (Check all applicable)  |  |
| (City)                                    | (State) | (Zip)    |                                      |  | <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner<br><input type="checkbox"/> Officer <input type="checkbox"/> Other<br>(give title below)    (specify below)                   |  |
|   |         |          |                                      |  | 6. Individual or Joint/Group Filing(Check Applicable Line)<br><input type="checkbox"/> Form filed by One Reporting Person<br><input checked="" type="checkbox"/> Form filed by More than One Reporting Person |  |

**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) |
|------------------------------------|--|---|--|
| Common Stock                       | 3,155,260  | I   | See Footnotes <u>(1)</u> <u>(3)</u>                      |
| Common Stock                       | 30,048   | I   | See Footnotes <u>(2)</u> <u>(3)</u>                      |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**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 control number.**

**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 | 5. Ownership Form of Derivative | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|---|---|--|------------------------------------|---------------------------------|--|
|---|---|--|------------------------------------|---------------------------------|--|

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

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| ORBIMED ADVISORS LLC<br>601 LEXINGTON AVENUE, 54TH FLOOR<br>NEW YORK, NY 10022       | ^             | ^ X       | ^       | ^     |
| OrbiMed Capital GP III LLC<br>601 LEXINGTON AVENUE, 54TH FLOOR<br>NEW YORK, NY 10022 | ^             | ^ X       | ^       | ^     |
| ISALY SAMUEL D<br>601 LEXINGTON AVENUE, 54TH FLOOR<br>NEW YORK, NY 10022             | ^             | ^ X       | ^       | ^     |

## Signatures

/s/ Samuel D.  
Isaly 10/28/2014

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) These shares are held of record by OrbiMed Private Investments III, LP ("OPI III"). OrbiMed Capital GP III LLC ("GP III") is the general partner of OPI III, and OrbiMed Advisors LLC ("Advisors") is the managing member of GP III. Samuel D. Isaly ("Isaly"), a natural person, is the managing member of and owner of a controlling interest in Advisors. By virtue of such relationships, GP III, Advisors and Isaly may be deemed to have voting and investment power over the securities held by OPI III and as a result may be deemed to have beneficial ownership over such securities.

(2) These shares are held of record by OrbiMed Associates III, LP ("Associates III"). Advisors is the general partner of Associates III. Isaly is the managing member of and owner of a controlling interest in Advisors. By virtue of such relationships, Advisors and Isaly may be deemed to have voting and investment power over the securities held by Associates III and as a result may be deemed to have beneficial ownership over such securities.

(3) This report on Form 3 is jointly filed by GP III, Advisors, and Isaly. Each of the Reporting Persons disclaims beneficial ownership of the securities reported herein for purposes of Rule 16a-1(a) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), except to the extent of its or his pecuniary interest therein, if any. The Reporting Persons have designated a representative, currently Rishi Gupta, an employee of Advisors, to serve on the Issuer's board of directors. This report shall not be deemed an admission that any of the Reporting Persons is a beneficial owner for the purpose of Section 16 of the Exchange Act, or for any other purpose.

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.