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

FORM 8-K

**CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): September 2, 2016

LANTHEUS HOLDINGS, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-36569
(Commission
File Number)

35-2318913
(IRS Employer
Identification No.)

331 Treble Cove Road, North Billerica, MA 01862
(Address of principal executive offices) (Zip code)

Registrant's telephone number, including area code: (978) 671-8001

Not Applicable
(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 1.01 Entry into a Material Definitive Agreement.

On September 2, 2016, Lantheus Medical Imaging, Inc. (the “Company”), operating subsidiary of Lantheus Holdings, Inc., entered into a Second Amendment, effective September 2, 2016 (the “Amendment”), to its Manufacturing and Supply Agreement, dated as of February 1, 2012 and amended on May 3, 2012 (the “MSA”), with Jubilant HollisterStear LLC (“JHS”) for the manufacture of DEFINITY® through January 2022. The Amendment now provides for JHS to supply the Company with all of its DEFINITY® requirements through July 31, 2018, in exchange for incremental pricing through the end of the contract term.

The foregoing summary is qualified in its entirety by reference to the Amendment, which the Company expects to file as an exhibit to its Quarterly Report on Form 10-Q for the quarter ending September 30, 2016.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

LANTHEUS HOLDINGS, INC.

By: /s/ Michael P. Duffy

Name: Michael P. Duffy

Title: General Counsel, Secretary and Senior Vice President,
Strategy and Business Development

Date: September 2, 2016