

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
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1. Name and Address of Reporting Person* Burgstahler David F (Last) (First) (Middle) C/O AVISTA CAPITAL HOLDINGS, L.P. 65 E. 55TH STREET, 18TH FLOOR (Street) NEW YORK NY 10022 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol Lantheus Holdings, Inc. [LNTH]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 08/14/2017	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	08/14/2017		S		64,646	D	\$17.29 ⁽¹⁾	3,521,192	I	See footnote ⁽³⁾
Common Stock	08/14/2017		S		11,012	D	\$18.05 ⁽²⁾	3,510,180	I	See footnote ⁽³⁾
Common Stock	08/14/2017		S		10,493	D	\$17.29 ⁽¹⁾	935,060	I	See footnote ⁽⁴⁾
Common Stock	08/14/2017		S		1,788	D	\$18.05 ⁽²⁾	933,272	I	See footnote ⁽⁴⁾
Common Stock	08/14/2017		J		2,785,709	D	\$17.15	724,471	I	See footnotes ⁽³⁾⁽⁵⁾
Common Stock	08/14/2017		J		815,672	D	\$17.15	117,600	I	See footnotes ⁽⁴⁾⁽⁶⁾
Common Stock	08/14/2017		J		1,762,208	D	\$17.15	0	I	See footnote ⁽⁷⁾
Common Stock	08/14/2017		J		13,248 ⁽⁸⁾	A	\$0.00	13,248	D	
Common Stock	08/14/2017		J		1,562 ⁽⁸⁾	A	\$0.00	1,562	I	By trust ⁽⁹⁾
Common Stock	08/15/2017		S		35,084	D	\$17.06 ⁽¹⁰⁾	765,045	I	See footnote ⁽³⁾
Common Stock	08/15/2017		S		5,695	D	\$17.06 ⁽¹⁰⁾	124,186	I	See footnote ⁽⁴⁾
Common Stock	08/16/2017		S		10,434	D	\$17.05 ⁽¹¹⁾	754,611	I	See footnote ⁽³⁾
Common Stock	08/16/2017		S		1,694	D	\$17.05 ⁽¹¹⁾	122,492	I	See footnote ⁽⁴⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		(A)	(D)					

Explanation of Responses:

1. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$17.00 to \$17.98, inclusive. The Reporting Person undertakes to provide to Lantheus Holdings, Inc., any security holder of Lantheus Holdings, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each

separate price within the ranges set forth in footnotes (1), (2), (10) and (11) to this Form 4.

2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$18.00 to \$18.18, inclusive.

3. Represents shares of the Issuer held by Avista Capital Partners, L.P. ("ACP"). Avista Capital Partners GP, LLC ("ACP GP") is the general partner of ACP. Mr. Burgstahler is a member of the investment committee of ACP GP. By virtue of these relationships, Mr. Burgstahler may be deemed to share voting and dispositive power with respect to the shares of common stock held by ACP. Mr. Burgstahler expressly disclaims beneficial ownership of any such securities, except to the extent of his pecuniary interest therein.

4. Represents shares of the Issuer held by Avista Capital Partners (Offshore), L.P. ("ACP Offshore"). ACP GP is the general partner of ACP Offshore. Mr. Burgstahler is a member of the investment committee of ACP GP. By virtue of these relationships, Mr. Burgstahler may be deemed to share voting and dispositive power with respect to the shares of common stock held by ACP Offshore. Mr. Burgstahler expressly disclaims beneficial ownership of any such securities, except to the extent of his pecuniary interest therein

5. On August 14, 2017, ACP distributed 2,785,709 shares of common stock to one or more members or partners.

6. On August 14, 2017, ACP Offshore distributed 815,672 shares of common stock to one or more members or partners.

7. Represents shares of the Issuer held by ACP-Lantern Co-Invest, LLC ("ACP Co-Invest"). ACP GP is the manager of ACP Co-Invest. Mr. Burgstahler is a member of the investment committee of ACP GP. By virtue of these relationships, Mr. Burgstahler may be deemed to share voting and dispositive power with respect to the shares of common stock held by ACP Co-Invest. Mr. Burgstahler expressly disclaims beneficial ownership of any such securities, except to the extent of his pecuniary interest therein. On August 14, 2017, ACP Co-Invest distributed 1,762,208 shares of common stock to one or more members or partners.

8. The distribution to partners referred to in the foregoing footnotes includes subsequent distributions by general partners to their respective partners, including Mr. Burgstahler.

9. The Reporting Person disclaims beneficial ownership of such shares except to the extent of his pecuniary interest therein.

10. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$17.00 to \$17.45, inclusive.

11. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$17.00 to \$17.20, inclusive.

Remarks:

/s/ David Burgstahler

08/16/2017

** Signature of Reporting Person

Date

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

* If the form is filed by more than one reporting person, see Instruction 4 (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).

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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