FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| hington, D.C. 20549 |
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| OMB APPROVAL             |           |  |  |  |  |  |  |  |  |
|--------------------------|-----------|--|--|--|--|--|--|--|--|
| OMB Number:              | 3235-0287 |  |  |  |  |  |  |  |  |
| Estimated average burden |           |  |  |  |  |  |  |  |  |

hours per response:

0.5

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

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

| 1. Name and Address of Reporting Person*  MARKISON BRIAN A   |         |            |   |       |   | 2. Issuer Name <b>and</b> Ticker or Trading Symbol Lantheus Holdings, Inc. [ LNTH ]   |       |   |  |      |  |   |                | (Ch  | telationship<br>eck all appli<br>X Directo  | ,  | g Per                             | son(s) to Is:  |  |
|--|---------|------------|---|-------|---|---|-------|---|--|------|--|---|----------------|--|---|--|-----------------------------------|--|--|
| (Last)   | (Fi     | rst) (     | (Middle)  |       |   | 3. Date of Earliest Transaction (Month/Day/Year) 05/11/2023   |       |   |  |      |  |   |                |  | Officer<br>below)   | er (give title<br>v)   |                                   | Other (s<br>below)   | specify  |
| C/O LANTHEUS HOLDINGS, INC.<br>201 BURLINGTON ROAD, SOUTH BLDG   |         |            |   |       | 4. If A   | 4. If Amendment, Date of Original Filed (Month/Day/Year)  |       |   |  |      |  |   |                | Line   | ndividual or Joint/Group Filing (Check Applice)  X Form filed by One Reporting Person |  |                                   | ·  |  |
| (Street) BEDFORD MA 01730  |         |            |   |       |   |   |       |   |  |      |  |   |                | Form filed by More than One Reporting Person |   |  |                                   |  |  |
| (City) (State) (Zip)   |         |            |   |       | $ | Rule 10b5-1(c) Transaction Indication  Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. |       |   |  |      |  |   |                |  |   |  |                                   |  |  |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned   |         |            |   |       |   |   |       |   |  |      |  |   |                |  |   |  |                                   |  |  |
| 1. Title of Security (Instr. 3)  2. Transact Date (Month/Day   |         |            |   |       |   | Execution Date  |       |   | Transaction Dispose Code (Instr. 5)                            |      | rities Acquired (A) or<br>ed Of (D) (Instr. 3, 4 a |   |                | Benefic<br>Owned                             | es For<br>ially (D)<br>Following (I) (  |  | : Direct<br>r Indirect<br>str. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership                      |  |
|  |         |            |   |       |   | $\perp$   |       |   | Code   | v    | Amount   | (A) or (D)  |                | Price  | Reporte<br>Transac<br>(Instr. 3   | tion(s)  |                                   |  | (Instr. 4)   |
| Common Stock 05/11/2   |         |            |   |       | /2023   |   |       | A |  | 2,01 | 2 A S  |   | \$0.0          | ) 21   | ,330  |  | D                                 |  |  |
| 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 Exercity Price of Derivative Security   |         |            | 3A. Deemed<br>Execution E<br>if any<br>(Month/Day | Date, | 4.<br>Transac<br>Code (Ir<br>8)                 |   | n of  |   | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |      |  | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative Securit<br>(Instr. 3 and 4) |                |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)                                   | 9. Number<br>derivative<br>Securities<br>Beneficiall<br>Owned<br>Following<br>Reported<br>Transactio<br>(Instr. 4) | y                                 | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|  |         |            |   |       | Code  | v   | (A)   |   | Date<br>Exercisable  |      | opiration  | Title   | or<br>Nu<br>of | umber  |   |  |                                   |  |  |
| Stock<br>Option<br>(right to   | \$99.38 | 05/11/2023 |   |       | A   |   | 3,798 |   | 05/11/2024   | 05   | 5/11/2033  | Common  | 3              | ,798   | \$0.00  | 3,798  |                                   | D  |  |

**Explanation of Responses:** 

Remarks:

/s/ Eric M. Green, attorney-in-

fact

\*\* Signature of Reporting Person Date

05/15/2023

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

- $^{\star}$  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.

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 Number.