| SEC For   |   |  |   |   | <b>T F 6</b>  |   |  |         |                                       |  |                  |   |  |  |   |   |  |  |  |
|---|---|--|---|---|---|---|--|---------|---------------------------------------|--|------------------|---|--|--|---|---|--|--|--|
| FORM 4 UNITE  |   |  |   | JSIA  | STATES SECURITIES AND EXCHANGE COMMISSION<br>Washington, D.C. 20549   |   |  |         |                                       |  |                  |   |  |  |   | OMB APPROVAL  |  |  |  |
| Section 16. Form 4 or Form 5<br>obligations may continue. See               |   |  |   |   |   | NT OF CHANGES IN BENEFICIAL OWNERSHIP<br>I pursuant to Section 16(a) of the Securities Exchange Act of 1934<br>or Section 30(h) of the Investment Company Act of 1940 |  |         |                                       |  |                  |   |  |  |   | OMB Number:       3235-0287         Estimated average burden          hours per response:       0.5 |  |  |  |
| 1. Name and Address of Reporting Person <sup>*</sup><br>Baylor-Henry Minnie |   |  |   |   |   | 2. Issuer Name and Ticker or Trading Symbol Lantheus Holdings, Inc. [LNTH]  |  |         |                                       |  |                  |   |  |  | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>X Director 10% Owner              |   |  |  |  |
| (Last) (First) (Middle)   |   |  |   |   | 3. Date of Earliest Transaction (Month/Day/Year)<br>05/09/2024  |   |  |         |                                       |  |                  |   |  | Officer (give title Other (specify below) below)   |   |   |  |  |  |
| C/O LANTHEUS HOLDINGS, INC.<br>201 BURLINGTON ROAD, SOUTH BUILDING          |   |  |   |   | 4.1   |   |  |         |                                       |  |                  |   |  | 6. Individual or Joint/Group Filing (Check Applicable<br>Line)<br>X Form filed by One Reporting Person |   |   |  |  |  |
| (Street)<br>BEDFOI  | ORD MA 01730  |  |   | Form filed by More than One Reporting<br>Person |   |   |  |         |                                       |  |                  |   |  |  |   | ting  |  |  |  |
| (City)  | (Si   | tate)                                      | (Zip)   |   | <ul> <li>Rule 10b5-1(c) Transaction Indication</li> <li>Check this box to indicate that a transaction was made pursuant to a contract, instruction satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.</li> </ul> |   |  |         |                                       |  |                  |   | on or writter                          | n plan tha   | at is intended  | d to  |  |  |  |
|   |   | Tab  | le I - Nor                                    |   |   |   |  |         | -                                     | Dis                                    | 1                |   |  | lly Owned  |   | ,   |  |  |  |
| 1. Title of Security (Instr. 3)<br>Date<br>(Month/E                         |   |  |   |   |   | ear) i  | 2A. Deem<br>Executior<br>f any<br>Month/Da | n Date, | Code (                                | Transaction Dispose<br>Code (Instr. 5) |                  | rities Acquired (A) o<br>ed Of (D) (Instr. 3, 4 a                               |  | Beneficially<br>Owned Followin<br>Reported   |   | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4)                                   |  | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>Instr. 4)   |  |
|   |   |  |   |   | 9/2024  |   |  |         | Code                                  | v                                      | Amount           | (D)   | Fille                                  | Transac<br>(Instr. 3   | and 4)  |   |  |  |  |
|   |   |  |   | 03/05   | /2024   |   |  |         |                                       |  | 2,63             | 5 A   | \$0.0                                  |  | 344   |   | _  | By   |  |
| Common Stcok  |   |  |   |   |   |   |  |         |                                       |  |                  |   |  |  | 16  |   |  | pouse's<br>RA  |  |
|   |   | т  |   |   |   |   |  |         |                                       |  |                  | , or Ben<br>ble seci  |  | y Owned  |   |   |  |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                         | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deeme<br>Execution<br>if any<br>(Month/Da | Date,   | 4.<br>Transaction<br>Code (Instr.<br>8)   |   |  |         | 6. Date Ex<br>Expiration<br>(Month/Da | Date                                   |                  | 7. Title an<br>Amount o<br>Securities<br>Underlyin<br>Derivative<br>(Instr. 3 a | f<br>9<br>9 Security                   | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)  | 9. Numbe<br>derivative<br>Securities<br>Beneficia<br>Owned<br>Following<br>Reported<br>Transactii<br>(Instr. 4) | e (<br>s  <br>lly  <br>j (  | 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)  | (D)     | Date<br>Exercisab                     |  | xpiration<br>ate | Title   | Amount<br>or<br>Number<br>of<br>Shares |  |   |   |  |  |  |
| Stock<br>Option<br>(right to<br>buy)  | \$75.9  | 05/09/2024                                 |   |   | Α   |   | 4,853                                      |         | 05/09/202                             | 5 0                                    | 5/09/2034        | Common<br>Stock   | 4,853                                  | \$0.00   | 4,853   | 3   | D  |  |  |

Explanation of Responses:

/s/ Eric M. Green, attorney-in-05/13/2024

\*\* Signature of Reporting Person Date

fact

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.

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.