FORM 4

UNITED STATES SECURITIES AND FXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| D SIAIES | SECURII | IE2 | EXCHA | INGE | COMIN | 12210N |
|----------|---------|-----|-----------|------|-------|---------------|
| | 141 | | 00=10 | | | |

| OIVID APPR | OVAL | | | | |
|-----------------------|-----------|--|--|--|--|
| OMB Number: | 3235-0287 | | | | |
| Estimated average but | rden | | | | |
| hours per response: | 0.5 | | | | |

OME A DEPOY

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

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10

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

| Name and Address of Reporting Person* Brown Kimberly | | | 2. Issuer Name and Ticker or Trading Symbol Lantheus Holdings, Inc. [LNTH] | | | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title Other (specify below) below) Chief Accounting Officer | | | | | | | | |
|---|---|---|--|--|---|-------------------|----------|---------|-----------------------|---|-------------------------|--|---|-----------------|--|--|---|--------------------|
| (Last) (First) (Middle) C/O LANTHEUS HOLDINGS, INC. 201 BURLINGTON ROAD, SOUTH BUILDING | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 03/05/2025 | | | | | | | | | | | | | |
| (Street) BEDFOI | | | 01730 (Zip) | | 4. If | Amer | ndment, | Date o | of Original I | Filed | (Month/D | ay/Year) | | 6. Inc Line) | Form f | iled by One iled by More | Filing (Check A | son |
| | | Tab | le I - Non | -Deriva | ative | Sec | curities | s Ac | quired, l | Disp | osed o | of, or Be | enefic | ially | Owned | i | | |
| 1. Title of Security (Instr. 3) 2. Transc Date (Month/D | | | | 2A. Deemed Execution Date, if any (Month/Day/Year | | Code (Instr. 5) | | | | | es ally Following | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership | | | | | |
| | | | | | | | | | Code | v | Amount | (A) c (D) | Pr | ice | Transac (Instr. 3 | tion(s) | | (Instr. 4) |
| Common Stock 03/05 | | | 03/05/ | 5/2025 A ⁽¹⁾ | | | 3,43 | 33 A \$ | | \$ <mark>0</mark> | 8,164 | | D | | | | | |
| | | 7 | able II - I | | | | | | uired, Di , option | | | | | | Owned | | | |
| Security or Exerci (Instr. 3) Price of | Conversion or Exercise Price of Derivative | ercise (Month/Day/Year) if any of ative (Month/ | | Date, Transaction Code (Inst | | | n of Ex | | Expiration | . Date Exercisable and xpiration Date Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | | 3. Price of Derivative Security Instr. 5) | 9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | Ownersh Form: Direct (D or Indirect (I) (Instr. | Beneficia Ownershi |
| | | | | | Code | v | (A) | | Date Exercisable | | xpiration ate | N of | Amor or Numl of Share | ber | | | | |
| Stock Option (right to | \$100.48 | 03/05/2025 | | | A | | 2,002 | | (2) | 03 | 3/05/2035 | Common Stock | 2,00 |)2 | \$0 | 2,002 | D | |

Explanation of Responses:

buy)

- 1. Consists of 1,144 restricted stock units that vest in equal installments over a three-year period and 2,289 Total Shareholder Return performance-based restricted stock units ("PSUs") that cliff vest following a three-year performance period. The amount of PSUs included in this Report reflects the target award; however, the ultimate award size can range from 0% to 200% of the target based on the actual performance achieved at the end of the performance period.
- 2. The option vests in three equal annual installments beginning on March 5, 2026.

/s/ Eric M. Green, attorney-in-03/21/2025 fact

** 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.

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.