STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Mehren Lawrence Form 4 August 18, 2017

FORM 4

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

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Mehren Lawrence Issuer Symbol Accelerate Diagnostics, Inc [AXDX] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction _X__ Director (Month/Day/Year) 10% Owner X_ Officer (give title Other (specify C/O ACCELERATE 08/17/2017 below) DIAGNOSTICS, INC., 3950 S. PRESIDENT AND CEO COUNTRY CLUB ROAD, SUITE 470 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting **TUCSON, AZ 85714** (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 7. Nature of Indirect Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (D) or (Month/Day/Year) (Instr. 8) Owned Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s) or (Instr. 3 and 4) Code V (D) Price Amount \$ Common 08/17/2017 $S^{(1)}$ 223,215 D 22.4 762,381 D Stock (1)

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

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

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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. Transactic Code (Instr. 8)	5. DriNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Dat (Month/Day/Y	Date Exercisable and piration Date onth/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Employee Stock Option (right to buy)	\$ 12.49					03/18/2017	03/18/2026	Common Stock	<u>(2)</u>	
Employee Stock Option (right to buy)	\$ 12.49					<u>(3)</u>	03/18/2026	Common Stock	<u>(2)</u>	
Employee Stock Option (right to buy)	\$ 14.92					02/26/2015	02/26/2024	Common Stock	<u>(2)</u>	
Employee Stock Option (right to buy)	\$ 1.04					<u>(4)</u>	04/20/2022	Common Stock	<u>(2)</u>	

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Mehren Lawrence C/O ACCELERATE DIAGNOSTICS, INC. 3950 S. COUNTRY CLUB ROAD, SUITE 470 TUCSON AZ 85714	X		PRESIDENT AND CEO			

Reporting Owners 2

Signatures

/s/ David Hinnant, attorney-in-fact

08/18/2017

**Signature of Reporting Person

Date

Explanation of Responses:

- * 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).
- The reporting person contributed AXDX common stock to an exchange fund in exchange for shares of the exchange fund. The AXDX common stock was valued at \$22.40 per share for the purposes of determining the number of shares of the exchange fund issuable to the reporting person. The shares were contributed pursuant to a Rule 10b5-1 plan entered into by the reporting person.
- (2) No transaction is being reported at this time. This line is only reporting holdings as of the date hereof.
- (3) The options vest in five (5) equal annual installments on each annivesary of the date of grant beginning on March 18, 2017.
 - 580,000 shares vested immediately upon the date of grant (April 20, 2012); 825,000 shares will vest as follows: 40% (330,000 shares) will vest on the second anniversary of the date of grant, and the remaining 60% (495,000 shares) will vest in 36 equal monthly installments (13,750 shares per month) over the subsequent 36 months; and 795,000 shares will vest as follows (provided that both
- (4) criteria must be satisfied): (i) 40% (318,000 shares) will vest on the second anniversary of the date of grant, and the remaining 60% (477,000 shares) will vest in 36 equal monthly installments (13,250 shares per month) over the subsequent 36 months, and (ii) 50% (397,500 shares) will vest when at least 50% of the warrants initially issued to Abeja have been exercised by the holder(s) thereof, and the remaining 50% (397,500 shares) will vest when at least 90% of such warrants have been exercised by the holder(s) thereof.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Signatures 3