

Accelerate Diagnostics, Inc  
Form SC 13G/A  
February 03, 2016  
UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G  
(Amendment No. 3)

Under the Securities Exchange Act of 1934

---

Accelerate Diagnostics, Inc.

(Name of Issuer)

Common Stock, \$0.001

---

(Title of Class of Securities)

00430H102

---

(CUSIP Number)

December 31, 2015

---

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 (the "Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

---

---

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

Larry N. Feinberg

2 CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (See  
Instructions)

(a)  
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF  
ORGANIZATION

United States

NUMBER OF 5 SOLE VOTING POWER  
SHARES 73,079

BENEFICIALLY 6 SHARED VOTING POWER  
OWNED BY 5,565,568

EACH 7 SOLE DISPOSITIVE POWER  
REPORTING 73,079  
PERSON

8 SHARED DISPOSITIVE POWER  
WITH: 5,565,568

9 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

5,638,647

10 CHECK BOX IF THE AGGREGATE

AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (9)

11.02%

12 TYPE OF REPORTING PERSON (See  
Instructions)

IN

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

Oracle Partners, L.P.

2 CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (See  
Instructions)

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF  
ORGANIZATION

Delaware

NUMBER OF 5 SOLE VOTING POWER

SHARES 0

BENEFICIALLY 6 SHARED VOTING POWER

OWNED BY 4,119,050

EACH 7 SOLE DISPOSITIVE POWER

REPORTING 0

PERSON 8 SHARED DISPOSITIVE POWER

WITH: 4,119,050

9 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

4,119,050

10 CHECK BOX IF THE AGGREGATE  
AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (9)

8.05%

12 TYPE OF REPORTING PERSON (See  
Instructions)

PN

- 3 -

---

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

Oracle Institutional Partners, L.P.

2 CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (See  
Instructions)

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF  
ORGANIZATION

Delaware

NUMBER OF 5 SOLE VOTING POWER

SHARES 0

BENEFICIALLY 6 SHARED VOTING POWER

OWNED BY 676,011

EACH 7 SOLE DISPOSITIVE POWER

REPORTING 0

PERSON 8 SHARED DISPOSITIVE POWER

WITH: 676,011

9 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

676,011

10 CHECK BOX IF THE AGGREGATE  
AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (9)

1.32%

12 TYPE OF REPORTING PERSON (See  
Instructions)

PN

- 4 -

---

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

Oracle Associates, LLC

2 CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (See  
Instructions)

(a)  
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF  
ORGANIZATION

Delaware

NUMBER OF 5 SOLE VOTING POWER  
SHARES 0

BENEFICIALLY 6 SHARED VOTING POWER  
OWNED BY 5,490,029

EACH 7 SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON 8 SHARED DISPOSITIVE POWER  
WITH: 5,490,029

9 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

5,490,029

10 CHECK BOX IF THE AGGREGATE



AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (9)

10.73%

12 TYPE OF REPORTING PERSON (See  
Instructions)

OO

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

Oracle Ten Fund Master, L.P.

2 CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (See  
Instructions)

(a)  
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF  
ORGANIZATION

Cayman Islands

NUMBER OF 5 SOLE VOTING POWER  
SHARES 0

BENEFICIALLY 6 SHARED VOTING POWER  
OWNED BY 694,968

EACH 7 SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON 8 SHARED DISPOSITIVE POWER  
WITH: 694,968

9 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

694,968

10 CHECK BOX IF THE AGGREGATE  
AMOUNT IN ROW (9) EXCLUDES

CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (9)

1.36%

12 TYPE OF REPORTING PERSON (See  
Instructions)

OO

- 6 -

---

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

Oracle Investment Management, Inc.  
Employees' Retirement Plan

2 CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (See  
Instructions)

(a)  
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF  
ORGANIZATION

Connecticut

NUMBER OF 5 SOLE VOTING POWER

SHARES 0

BENEFICIALLY 6 SHARED VOTING POWER

OWNED BY 63,836

EACH 7 SOLE DISPOSITIVE POWER

REPORTING 0

PERSON 8 SHARED DISPOSITIVE POWER

WITH: 63,836

9 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

63,836

10 CHECK BOX IF THE AGGREGATE

AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (9)

0.12%

12 TYPE OF REPORTING PERSON (See  
Instructions)

EP

- 7 -

---

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

Oracle Investment Management, Inc.

2 CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (See  
Instructions)

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF  
ORGANIZATION

Delaware

NUMBER OF 5 SOLE VOTING POWER

SHARES 0

BENEFICIALLY 6 SHARED VOTING POWER

OWNED BY 758,804

EACH 7 SOLE DISPOSITIVE POWER

REPORTING 0

PERSON 8 SHARED DISPOSITIVE POWER

WITH: 758,804

9 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

758,804

10 CHECK BOX IF THE AGGREGATE  
AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (9)

1.48%

12 TYPE OF REPORTING PERSON (See  
Instructions)

CO

- 8 -

---

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

The Feinberg Family Foundation

2 CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (See  
Instructions)

(a)  
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF  
ORGANIZATION

Connecticut

NUMBER OF 5 SOLE VOTING POWER  
SHARES 0

BENEFICIALLY 6 SHARED VOTING POWER  
OWNED BY 11,703

EACH 7 SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON 8 SHARED DISPOSITIVE POWER  
WITH: 11,703

9 AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

10 11,703

CHECK BOX IF THE AGGREGATE  
AMOUNT IN ROW (9) EXCLUDES



CERTAIN SHARES (See Instructions)

11 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (9)

0.02%

12 TYPE OF REPORTING PERSON (See  
Instructions)

OO

- 9 -

---

This Amendment No. 3 to Schedule 13G (this “Amendment No. 3”) is being filed with respect to the Common Stock, par value \$0.001 (“Common Stock”) of Accelerate Diagnostics, Inc., a Delaware corporation (the “Issuer”), to amend the Schedule 13G filed on March 18, 2013, as previously amended by Amendment No. 1 on February 7, 2014 and by Amendment No. 2 on January 30, 2015 (as so amended, the “Schedule 13G”), in accordance with the annual amendment requirements. Capitalized terms used but not defined herein have the meaning ascribed thereto in the Schedule 13G.

Item 4. Ownership:

Item 4 of the Schedule 13G is hereby amended and restated as follows:

The percentage of shares owned is based upon 51,165,427 shares of the Issuer’s Common Stock issued and outstanding as of December 15, 2015, according to information reported by the Company on December 10, 2015 and December 15, 2015.

The beneficial ownership of the Reporting Persons as of the date of this Amendment No. 3 is set forth below. This filing and any future amendments hereto shall not be considered an admission that any Reporting Person is a beneficial owner of shares beneficially owned by any other Reporting Person named herein.

A. Larry N. Feinberg

- (a) Amount beneficially owned: 5,638,647
- (b) Percent of class: 11.02%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: 73,079
  - (ii) Shared power to vote or direct the vote: 5,565,568
  - (iii) Sole power to dispose or direct the disposition: 73,079
  - (iv) Shared power to dispose or direct the disposition: 5,565,568

B. Oracle Partners, L.P.

- (a) Amount beneficially owned: 4,119,050
- (b) Percent of class: 8.05%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: 0
  - (ii) Shared power to vote or direct the vote: 4,119,050
  - (iii) Sole power to dispose or direct the disposition: 0
  - (iv) Shared power to dispose or direct the disposition: 4,119,050

C. Oracle Institutional Partners, L.P.

- (a) Amount beneficially owned: 676,011
- (b) Percent of class: 1.32%
- (c) Number of shares as to which such person has:

- (i) Sole power to vote or direct the vote: 0
- (ii) Shared power to vote or direct the vote: 676,011
- (iii) Sole power to dispose or direct the disposition: 0
- (iv) Shared power to dispose or direct the disposition: 676,011

D. Oracle Associates, LLC

- (a) Amount beneficially owned: 5,490,029
- (b) Percent of class: 10.73%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: 0
  - (ii) Shared power to vote or direct the vote: 5,490,029
  - (iii) Sole power to dispose or direct the disposition: 0
  - (iv) Shared power to dispose or direct the disposition: 5,490,029

E. Oracle Ten Fund Master, L.P.

- (a) Amount beneficially owned: 694,968
- (b) Percent of class: 1.36%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: 0
  - (ii) Shared power to vote or direct the vote: 694,968
  - (iii) Sole power to dispose or direct the disposition: 0
  - (iv) Shared power to dispose or direct the disposition: 694,968

F. Oracle Investment Management, Inc. Employees' Retirement Plan

- (a) Amount beneficially owned: 63,836
- (b) Percent of class: 0.12%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: 0
  - (ii) Shared power to vote or direct the vote: 63,836
  - (iii) Sole power to dispose or direct the disposition: 0
  - (iv) Shared power to dispose or direct the disposition: 63,836

G. Oracle Investment Management, Inc.

- (a) Amount beneficially owned: 758,804
- (b) Percent of class: 1.48%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: 0
  - (ii) Shared power to vote or direct the vote: 758,804
  - (iii) Sole power to dispose or direct the disposition: 0
  - (iv) Shared power to dispose or direct the disposition: 758,804

H. The Feinberg Family Foundation

- (a) Amount beneficially owned: 11,703
- (b) Percent of class: 0.02%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: 0

- (ii) Shared power to vote or direct the vote: 11,703
- (iii) Sole power to dispose or direct the disposition: 0
- (iv) Shared power to dispose or direct the disposition: 11,703

Item 10. Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 3, 2016

/s/ Larry N. Feinberg  
Larry N. Feinberg, Individually

ORACLE PARTNERS, L.P.

By: ORACLE ASSOCIATES, LLC, its general partner

By: /s/ Larry N. Feinberg  
Larry N. Feinberg, Managing Member

ORACLE INSTITUTIONAL PARTNERS, L.P.

By: ORACLE ASSOCIATES, LLC, its general partner

By: /s/ Larry N. Feinberg  
Larry N. Feinberg, Managing Member

ORACLE ASSOCIATES, LLC

By: /s/ Larry N. Feinberg  
Larry N. Feinberg, Managing Member

ORACLE TEN FUND MASTER, L.P.

By: ORACLE ASSOCIATES, LLC, its general partner

By: /s/ Larry N.

Feinberg

Larry N. Feinberg, Managing Member

ORACLE INVESTMENT MANAGEMENT, INC.  
EMPLOYEES' RETIREMENT PLAN

By: /s/ Aileen

Wiate

Aileen Wiate, Trustee

ORACLE INVESTMENT MANAGEMENT, INC.

By: /s/ Larry N.

Feinberg

Larry N. Feinberg, Managing Member

THE FEINBERG FAMILY FOUNDATION

By: /s/ Larry N.

Feinberg

Larry N. Feinberg, Trustee