

HTG MOLECULAR DIAGNOSTICS, INC  
Form SC 13D/A  
July 20, 2017  
**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

**SCHEDULE 13D**

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO § 240.13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO 240.13d-2(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934**  
**(Amendment No. 2)\***

HTG MOLECULAR DIAGNOSTICS, INC.

(Name of Issuer)

Common Stock, Par Value \$0.001

(Title of Class of Securities)

40434H 10 4

(CUSIP Number)

Victoria A. Whyte

GlaxoSmithKline plc

980 Great West Road

Brentford, Middlesex TW8 9GS

England

Telephone: +44 (0)208 047 5000

(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communications)

May 15, 2017

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

**Note:** Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on 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 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.

- NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
1. GlaxoSmithKline plc  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see instructions)
  2. (a)  
(b)
  3. SEC USE ONLY
  4. SOURCE OF FUNDS (see instructions)  
WC
  5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)  
CITIZENSHIP OR PLACE OF ORGANIZATION
  6. England and Wales

- |   |     |                          |
|---|-----|--------------------------|
|   | 7.  | SOLE VOTING POWER        |
|   |     | 792,781                  |
|   | 8.  | SHARED VOTING POWER      |
|   |     | -0-                      |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | 9.  | SOLE DISPOSITIVE POWER   |
|   |     | 792,781                  |
|   | 10. | SHARED DISPOSITIVE POWER |
|   |     | -0-                      |

- AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
11. 792,781 shares of Common Stock (1)
  12. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  
(see instructions)
  13. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
8.3% of the shares of Common Stock (2)
  14. TYPE OF REPORTING PERSON (see instructions)

CO

Footnotes:

- (1) Shares of Common Stock are held of record by S.R. One, Limited, an indirect, wholly-owned subsidiary of the Reporting Person.
- (2) Based on 9,525,814 shares of the Issuer's Common Stock outstanding as of May 5, 2017.

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This Amendment No. 2 to Schedule 13D amends and supplements the statement on Schedule 13D originally filed on May 15, 2015, as subsequently amended by Amendment No. 1 filed on March 29, 2017 (the "Schedule 13D") with respect to the shares of common stock, par value \$0.001 per share (the "Common Stock"), of HTG Molecular Diagnostics, Inc., a Delaware corporation (the "Issuer"). GlaxoSmithKline plc is filing this amendment to reflect its new percentage beneficial ownership in the Issuer, which has decreased as a result of an increase in the Issuer's Common Stock outstanding. The Issuer's principal executive offices are located at 3430 E. Global Loop, Tucson, Arizona 85706. Unless otherwise indicated, each capitalized term used but not defined herein shall have the meaning assigned to such term in the Schedule 13D.

**Item 2. Identity and Background.**

The response set forth in Item 2 of the Schedule 13D is hereby amended by deleting Schedule 1 in its entirety, and replacing it with Schedule 1 attached hereto.

**Item 5. Interest in Securities of the Issuer.**

The response set forth in Items 5 (a) and (b) of the Schedule 13D is hereby amended by deleting the previous response in its entirety and replacing it with the following:

GlaxoSmithKline plc beneficially owns 792,781 shares of Common Stock, which represents 8.3% of the 9,525,814 shares of Common Stock outstanding as of May 5, 2017. The 792,781 shares of Common Stock that

a. GlaxoSmithKline plc beneficially owns includes 43,538 shares of the Issuer's Common Stock deliverable upon the exercise of a warrant that is exercisable at any time at an exercise price of \$14.00.

b. GlaxoSmithKline plc has the sole power to vote or direct the vote, and the sole power to dispose or to direct the disposition of all 792,781 shares of Common Stock described in Item 5a above.

**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.

Date: July 20, 2017

GLAXOSMITHKLINE PLC

By: /s/ Victoria A. Whyte

Name: Victoria A. Whyte  
Title: Authorized Signatory



## SCHEDULE 1

| Name                       | Business Address  | Principal Occupation or Employment             | Citizenship |
|----------------------------|---|--|-------------|
| <b>Board of Directors</b>  |   |  |             |
| Emma Walmsley              | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Executive Director and Chief Executive Officer | British     |
| Professor Sir Roy Anderson | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Company Director                               | British     |
| Manvinder Singh Banga      | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Company Director                               | Indian      |
| Dr. Vivienne Cox           | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Company Director                               | British     |
| Simon Dingemans            | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Executive Director and Chief Financial Officer | British     |
| Lynn Elsenhans             | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Company Director                               | US          |
| Dr. Jesse Goodman          | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Company Director                               | US          |
| Sir Philip Hampton         | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Chairman and Company Director                  | British     |
| Judy Lewent                | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Company Director                               | US          |

## Name Business Address Principal Occupation or Employment Citizenship

|                      |   |                                       |         |
|----------------------|---|---------------------------------------|---------|
| Urs Rohner           | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Company Director                      | Swiss   |
| Dr. Patrick Vallance | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Executive Director and President, R&D | British |

**Corporate Executive Team**

|                 |   |   |              |
|-----------------|---|---|--------------|
| Emma Walmsley   | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Executive Director and Chief Executive Officer      | British      |
| Roger Connor    | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | President, Global Manufacturing & Supply            | Irish        |
| Luc Debruyne    | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | President, Global Vaccines                          | Belgian      |
| Simon Dingemans | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Executive Director and Chief Financial Officer      | British      |
| Nick Hirons     | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Senior Vice President, Global Ethics and Compliance | British & US |
| Abbas Hussain   | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | President, Global Pharmaceuticals                   | British      |
| Brian McNamara  | 184 Liberty Corner Road<br>Warren<br>NJ, 07059                    | Chief Executive Officer, GSK Consumer Healthcare    | US           |



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Name Business Address Principal Occupation or Employment Citizenship

|                      |   |   |         |
|----------------------|---|---|---------|
| David Redfern        | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Chief Strategy Officer                    | British |
| Claire Thomas        | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Senior Vice President,<br>Human Resources | British |
| Philip Thomson       | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | President, Global Affairs                 | British |
| Daniel Troy          | The Navy Yard<br>5 Crescent Drive<br>Philadelphia, PA<br>19112    | Senior Vice President & General Counsel   | US      |
| Dr. Patrick Vallance | 980 Great West Road<br>Brentford<br>Middlesex, England<br>TW8 9GS | Executive Director and President, R&D     | British |