GenMark Diagnostics, Inc. Form SC 13G January 30, 2015

SCHEDULE 13G

(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No. )\*

GenMark Diagnostics Inc

(Name of Issuer)

Common Stock

(Title of Class of Securities)

372309104

(CUSIP Number)

December 31, 2014

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

(Date of Event Which Requires Filing of this Statement)

- [X] Rule 13d-1(b)
- [\_] Rule 13d-1(c)
- [\_] Rule 13d-1(d)
- \* 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 the disclosures provided in a prior cover page.

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 ("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).

CUSIP No. 372309104 13G

\_\_\_\_\_

1 NAME OF I	REPORTING PERSON		
Artisan	Partners Limited Partnership		
	E APPROPRIATE BOX IF A MEMBER OF A GROUP tructions)	(a) (b)	[_]
Not App	licable		
3 SEC USE (	ONLY		
4 CITIZENS	HIP OR PLACE OF ORGANIZATION		
Delaware	e e		
	5 SOLE VOTING POWER		
NUMBER OF SHARES	None		
	6 SHARED VOTING POWER		
EACH REPORTING	1,912,165		
PERSON WITH	7 SOLE DISPOSITIVE POWER		
	None		
	8 SHARED DISPOSITIVE POWER		
	2,381,506		
9 AGGREGATI	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
2,381,50	06		
	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES tructions)		[_]
Not App	licable		
11 PERCENT (	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
5.7%			
	REPORTING PERSON tructions)		
IA			
CUSIP No. 3	72200104		
3	72309104 13G		
1 NAME OF I	REPORTING PERSON		
Artisan	Investments GP LLC		
2 CHECK THE	E APPROPRIATE BOX IF A MEMBER OF A GROUP		

	(see Instructions)			(a) (b)	[_]
	Not Applica	able			
3	SEC USE ONL	Υ			
4	CITIZENSHIP  Delaware	OR	PLACE OF ORGANIZATION		
		5	SOLE VOTING POWER		
	MBER OF SHARES		None		
	EFICIALLY WNED BY	6	SHARED VOTING POWER		
	EACH		1,912,165		
	PORTING PERSON	7	SOLE DISPOSITIVE POWER		
	WITH		None		
		8	SHARED DISPOSITIVE POWER		
			2,381,506		
10	2,381,506  CHECK BOX II (see Instruction Not Application)	 F TI ctic	e 		[_]
11	5.7%	CLA:	SS REPRESENTED BY AMOUNT IN ROW (9)		
12	TYPE OF REPO				
CUS	IP No. 3723	0910	04 13G		
1	NAME OF REPO	ORT	ING PERSON		
	Artisan Pa	rtne	ers Holdings LP		
2	CHECK THE AN		OPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[_]
	Not Applica	able	e 		

3	SEC USE ONL	Y			
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION		
		5	SOLE VOTING POWER		
	MBER OF		None		
SHARES BENEFICIALLY OWNED BY EACH		6	SHARED VOTING POWER		
			1,912,165		
	PORTING PERSON WITH	7	SOLE DISPOSITIVE POWER		
	WIII		None		
		8	SHARED DISPOSITIVE POWER		
			2,381,506		
9	AGGREGATE A	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	2,381,506				
10	CHECK BOX I (see Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ons)		[_
	Not Applic	able	э		
11	PERCENT OF	CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
	5.7%				
12	TYPE OF REP (see Instru				
	НС				
CUS	IP No. 3723	091	04 13G		
1	NAME OF REP	ORT:	ING PERSON		
	Artisan Pa	rtne	ers Asset Management Inc.		
2	CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP	(2)	
	(see Instru	CLIC	ons)	(a) (b)	[_
	Not Applic	able	e 		
3	SEC USE ONL	Υ			
 4	 CITIZENSHIP	OR	PLACE OF ORGANIZATION		

Delawar	re
	5 SOLE VOTING POWER
NUMBER OF	None
SHARES BENEFICIALLY	6 SHARED VOTING POWER
OWNED BY EACH	1,912,165
REPORTING PERSON	7 SOLE DISPOSITIVE POWER
WITH	None
	8 SHARED DISPOSITIVE POWER
	2,381,506
9 AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
2,381,5	506
	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES [_]
Not App	plicable
11 PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
5.7%	
	REPORTING PERSON
HC	75145615.157
Item 1(a)	Name of Issuer:
	GenMark Diagnostics Inc
Item 1(b)	Address of Issuer's Principal Executive Offices:
	5964 La Place Court, Carlsbad, California 92008-8829
Item 2(a)	Name of Person Filing:
	Artisan Partners Limited Partnership ("APLP") Artisan Investments GP LLC ("Artisan Investments") Artisan Partners Holdings LP ("Artisan Holdings") Artisan Partners Asset Management Inc. ("APAM")
Item 2(b)	Address of Principal Business Office:
	APLP, Artisan Investments, Artisan Holdings, and APAM are all located at:
	875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

Item 2(c) Citizenship:

APLP is a Delaware limited partnership
Artisan Investments is a Delaware limited liability company
Artisan Holdings is a Delaware limited partnership
APAM is a Delaware corporation

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

372309104

- - (e) APLP is an investment adviser registered under section 203 of the Investment Advisers Act of 1940.
  - (g) Artisan Holdings is the sole limited partner of APLP and the sole member of Artisan Investments; Artisan Investments is the general partner of APLP; APAM is the general partner of Artisan Holdings.
- Item 4 Ownership (at December 31, 2014):
  - (a) Amount owned "beneficially" within the meaning of rule 13d-3: 2,381,506
  - (b) Percent of class:
    - 5.7% (based on 41,734,301 shares outstanding as of October  $28,\ 2014$ )
  - (c) Number of shares as to which such person has:
    - (i) sole power to vote or to direct the vote:
    - (ii) shared power to vote or to direct the vote:

1,912,165

(iii) sole power to dispose or to direct the disposition of:

None

None

2,381,506

Item 5 Ownership of Five Percent or Less of a Class:

Not Applicable

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

The shares reported herein have been acquired on behalf of discretionary clients of APLP. Persons other than APLP are entitled to receive all dividends from, and proceeds from the sale of, those shares. None of those persons, to the knowledge of APLP, Artisan Holdings, APAM, or Artisan Investments has an economic interest in more than 5% of the class.

Not Applicable

Not Applicable

Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

Date: January 30, 2015

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez \*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez \*

\*By: /s/ Gregory K. Ramirez

\_\_\_\_\_

Gregory K. Ramirez
Senior Vice President of Artisan
Partners Asset Management Inc.

Vice President of Artisan Investments GP LLC

#### Exhibit Index

Exhibit 1 Joint Filing Agreement dated January 30, 2015 by and among Artisan Partners Limited Partnership, Artisan Investments GP LLC, Artisan Partners Holdings LP, and Artisan Partners Asset Management Inc.

EXHIBIT 1

#### JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: January 30, 2015

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez \*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez \*

\*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez
Senior Vice President of Artisan
Partners Asset Management Inc.
Vice President of Artisan
Investments GP LLC