GenMark Diagnostics, Inc. Form SC 13G/A March 24, 2014

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. 2)*

GenMark Diagnostics Inc

(Name of Issuer)

Common Stock

(Title of Class of Securities)

372309104

(CUSIP Number)

March 12, 2014

(Date of Event Which Requires Filing of this Statement)

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

[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).

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	Edgar Filing: GenMark Dia	agnostics, Inc Form SC 13G/A	
CUSIP No. 3723	09104	13G	
1 NAME OF REP	ORTING PERSON		
Artisan Pa	rtners Limited Partnersh:	ip	
2 CHECK THE A (see Instru	PPROPRIATE BOX IF A MEMBI ctions)	ER OF A GROUP	(a) [_] (b) [_]
Not Applic	able		
3 SEC USE ONL	У		
4 CITIZENSHIP	OR PLACE OF ORGANIZATIO	N	
Delaware			
	5 SOLE VOTING POWER		
NUMBER OF	None		
SHARES BENEFICIALLY OWNED BY	6 SHARED VOTING POWER		
EACH	1,731,916		
PERSON WITH	7 SOLE DISPOSITIVE POW	ER	
	None		
	8 SHARED DISPOSITIVE PO	OWER	
	2,065,460		
9 AGGREGATE A	MOUNT BENEFICIALLY OWNED	BY EACH REPORTING PERSON	
2,065,460			
10 CHECK BOX I (see Instru		N ROW (9) EXCLUDES CERTAIN SHARES	5 [_]
Not Applic	able		
11 PERCENT OF	CLASS REPRESENTED BY AMO	UNT IN ROW (9)	
4.9%			
12 TYPE OF REP (see Instru	ORTING PERSON		
IA			

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1	NAME OF REP	ORT	ING PERSON	
	Artisan In	ves	tments GP LLC	
2	CHECK THE A (see Instru		OPRIATE BOX IF A MEMBER OF A GROUP ons)	[_]
	Not Applic	abl	e	
3	SEC USE ONL	 Ү		
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION	
	Delaware			
		5	SOLE VOTING POWER	
	IMBER OF		None	
BEN		6	SHARED VOTING POWER	
	WNED BY EACH		1,731,916	
		7	SOLE DISPOSITIVE POWER	
	WITH		None	
		8	SHARED DISPOSITIVE POWER	
			2,065,460	
9	AGGREGATE A	MOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,065,460			
10	CHECK BOX I (see Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ons)	 [_]
	Not Applic	abl	e	
11	PERCENT OF	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
	4.9%			
12	TYPE OF REP (see Instru	ORT		
	HC			
			Page 3 of 10	

CUSIP No. 372309104

13G

	Artisan Pa	rtn	ers Holdings LP	
2	CHECK THE AI (see Instruc		OPRIATE BOX IF A MEMBER OF A GROUP ons)	[_] [_]
	Not Applica	abl	e	
3	SEC USE ONLY	Y		
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION	
	Delaware			
		5	SOLE VOTING POWER	
	MBER OF		None	
BEN	SHARES EFICIALLY WNED BY	6	SHARED VOTING POWER	
	EACH		1,731,916	
		7	SOLE DISPOSITIVE POWER	
	WITH		None	
		8	SHARED DISPOSITIVE POWER	
			2,065,460	
9	AGGREGATE AN	MOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,065,460			
10	CHECK BOX II (see Instruc		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ons)	 [_]
	Not Applica	abl	e	
11	PERCENT OF (CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
	4.9%			
12	TYPE OF REPO (see Instruc			
	HC			
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CUSIP No. 372309104

13G

1 NAME OF REPORTING PERSON

Artisan Partners Asset Management Inc.

2 CHECK THE (see Instr		a) [_] b) [_]
Not Appli	cable	
3 SEC USE ON	LY	
4 CITIZENSHI	P OR PLACE OF ORGANIZATION	
Delaware		
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES ENEFICIALLY	6 SHARED VOTING POWER	
OWNED BY EACH	1,731,916	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	2,065,460	
9 AGGREGATE	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
2,065,460		
.0 CHECK BOX (see Instr	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES uctions)	[_]
Not Appli	cable	
1 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
4.9%		
.2 TYPE OF RE (see Instr	PORTING PERSON	
HC		
	Page 5 of 10	
tem 1(a) Na	me of Issuer:	
	GenMark Diagnostics Inc	
+		
Lem I(b) Ad	dress of Issuer's Principal Executive Offices:	
	dress of Issuer's Principal Executive Offices: 5964 La Place Court, Carlsbad, CA 92008	

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

Item 3 Type of Person:

(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.

/1/ This amendment to the Schedule 13G is being filed solely as a result of the change in control of Artisan Partners Limited Partnership. As of March 12, 2014, Artisan Investment Corporation, ZFIC, Inc., Andrew A. Ziegler and Carlene M. Ziegler are no longer deemed to be controlling persons of Artisan Partners Limited Partnership and are no longer joint filers with the other reporting persons.

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Item 4 Ownership (at March 12, 2014):

(a) Amount owned "beneficially" within the meaning of rule 13d-3:

2,065,460

(b) Percent of class:

4.9% (based on 41,906,372 shares outstanding as of March 1, 2014)

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote:

None

- (ii) shared power to vote or to direct the vote:
 1,731,916
- (iii) sole power to dispose or to direct the disposition of:

None

(iv) shared power to dispose or to direct the disposition
 of:

2,065,460

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

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [X].

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

Not Applicable

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person:

Not Applicable

Item 8 Identification and Classification of Members of the Group:

Not Applicable

Item 9 Notice of Dissolution of Group:

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.

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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: March 24, 2014

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

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Exhibit Index

Exhibit 1 Joint Filing Agreement dated March 24, 2014 by and among Artisan Partners Limited Partnership, Artisan Investments GP LLC, Artisan Partners Holdings LP, and Artisan Partners Asset Management Inc.

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EXHIBIT 1

JOINT FILING AGREEMENT

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

Dated: March 24, 2014

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

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