GenMark Diagnostics, Inc. Form SC 13G/A January 30, 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. 1)*

GenMark Diagnostics Inc

(Name of Issuer)

Common Stock

(Title of Class of Securities)

372309104

(CUSIP Number)

December 31, 2013

(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 Diag	gnostics, Inc Form SC 13G/A	
CUSIP No. 3723	09104	13G	
1 NAME OF REP	ORTING PERSON		
Artisan Pa	rtners Limited Partnershi	p	
2 CHECK THE A (see Instru	PPROPRIATE BOX IF A MEMBE ctions)	R OF A GROUP	(a) [_] (b) [_]
Not Applic	able		
3 SEC USE ONL	Y		
4 CITIZENSHIP	OR PLACE OF ORGANIZATION		
Delaware			
	5 SOLE VOTING POWER		
NUMBER OF	None		
SHARES BENEFICIALLY OWNED BY	6 SHARED VOTING POWER		
EACH	1,965,169		
PERSON WITH	7 SOLE DISPOSITIVE POWE	R	
WIIN	None		
	8 SHARED DISPOSITIVE PO	WER	
	2,299,335		
9 AGGREGATE A	MOUNT BENEFICIALLY OWNED	BY EACH REPORTING PERSON	
2,299,335			
10 CHECK BOX I (see Instru		ROW (9) EXCLUDES CERTAIN SHARES	[_]
Not Applic	able		
11 PERCENT OF	CLASS REPRESENTED BY AMOU	NT IN ROW (9)	
5.5%			
12 TYPE OF REP (see Instru	ORTING PERSON		
IA			
TU			

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CUSIP No. 372309104

13G

	Artisan Pa	rtn	ers Holdings LP	
2	CHECK THE A (see Instru		OPRIATE BOX IF A MEMBER OF A GROUP ons)	 [_]
	Not Applica	abl	e	
3	SEC USE ONL	Y		
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION	
	Delaware			
		5	SOLE VOTING POWER	
	MBER OF		None	
BEN		6	SHARED VOTING POWER	
	WNED BY EACH		1,965,169	
		7	SOLE DISPOSITIVE POWER	
	WITH		None	
		8	SHARED DISPOSITIVE POWER	
			2,299,335	
9	AGGREGATE AI	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,299,335			
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)	
	5.5%			
12	TYPE OF REPO			
	HC			
			Page 4 of 18	

CUSIP No. 372309104

13G

1 NAME OF REPORTING PERSON

Artisan Partners Asset Management Inc.

2 CHECK THE A (see Instru	APPROPRIATE BOX IF A MEMBER OF A GROUP actions)	(a) (b)	[_]
Not Applic	able		
3 SEC USE ONL			
4 CITIZENSHIP	OR PLACE OF ORGANIZATION		
Delaware			
	5 SOLE VOTING POWER		
NUMBER OF	None		
	6 SHARED VOTING POWER		
OWNED BY EACH	1,965,169		
REPORTING PERSON	7 SOLE DISPOSITIVE POWER		
WITH	None		
	8 SHARED DISPOSITIVE POWER		
	2,299,335		
9 AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
2,299,335			
10 CHECK BOX I (see Instru	TF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
Not Applic	able		
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
5.5%			
12 TYPE OF REP (see Instru	PORTING PERSON actions)		
HC			
	Page 5 of 18		
CUSIP No. 3723	309104 13G		
1 NAME OF REP	ORTING PERSON		
Artisan In	vestment Corporation		
2 CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP		

	(see Instru	ctio	ons)	(a) (b)	[_] [_]		
	Not Applic	able					
3	SEC USE ONL	 Ү					
	CITIZENSHIP	OR	PLACE OF ORGANIZATION				
	Wisconsin						
		5	SOLE VOTING POWER				
	MBER OF		None				
BEN		6	SHARED VOTING POWER				
	WNED BY EACH		1,965,169				
	PORTING	7	SOLE DISPOSITIVE POWER				
	WITH		None				
		8	SHARED DISPOSITIVE POWER				
			2,299,335				
9	AGGREGATE A 2,299,335	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
10	(see Instru	ctio			[_]		
	Not Applic						
11		CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)				
	5.5%						
12	TYPE OF REP (see Instru						
	НС						
			Page 6 of 18				
CUS	IP No. 3723	091(04 13G				
1	NAME OF REP	ORT					
	ZFIC, Inc.						
2	CHECK THE A (see Instru	PPRO	DPRIATE BOX IF A MEMBER OF A GROUP		[_] [_]		

Not Applica	able		
3 SEC USE ONL	Y		
4 CITIZENSHIP	OR PLACE OF ORGANIZATION		
Wisconsin			
	5 SOLE VOTING POWER		
NUMBER OF	None		
	6 SHARED VOTING POWER		
OWNED BY EACH	1,965,169		
REPORTING PERSON WITH	7 SOLE DISPOSITIVE POWER		
VV ± ± 11	None		
	8 SHARED DISPOSITIVE POWER		
	2,299,335		
9 AGGREGATE AI 2,299,335	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10 CHECK BOX II (see Instruc	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ctions)		[_]
Not Applica	able		
11 PERCENT OF (CLASS REPRESENTED BY AMOUNT IN ROW (9)		
5.5%			
12 TYPE OF REP (see Instrue	ORTING PERSON ctions)		
HC			
	Page 7 of 18		
CUSIP No. 3723	09104 13G		
1 NAME OF REP	ORTING PERSON		
Andrew A.	Ziegler		
2 CHECK THE A (see Instruc	•	(a) (b)	[_] [_]
Not Applica	able		

3	SEC USE ONL	Y		
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION	
	U.S.A.			
		5	SOLE VOTING POWER	
	MBER OF		None	
BEN	SHARES EFICIALLY WNED BY	6	SHARED VOTING POWER	
	EACH PORTING		1,965,169	
	PERSON WITH	7	SOLE DISPOSITIVE POWER	
	WIIN		None	
		8	SHARED DISPOSITIVE POWER	
			2,299,335	
9	AGGREGATE AI	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,299,335			
10	CHECK BOX I (see Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	[_]
	Not Applic			L]
 11			SS REPRESENTED BY AMOUNT IN ROW (9)	
ΤT	5.5%	сца,	SS REFRESENTED BI AMOUNT IN NOW (5)	
 12			INC PERSON	
12	(see Instru			
	IN			
			Page 8 of 18	
CUS	IP No. 3723	091	04 13G	
1	NAME OF REP	ORT:	ING PERSON	
	Carlene M.	Zi	egler	
2	CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP ons)	[_] [_]
	Not Applic	able	e	
 3	SEC USE ONL	 Y		

4	CITIZENSHIP	OR	PLACE OF ORGANIZATION
	U.S.A.		
		5	SOLE VOTING POWER
	MBER OF SHARES		None
BEN		6	SHARED VOTING POWER
	EACH PORTING		1,965,169
		7	SOLE DISPOSITIVE POWER
	WIII		None
		8	SHARED DISPOSITIVE POWER
			2,299,335
9	AGGREGATE AI	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	2,299,335		
10	CHECK BOX II (see Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
	Not Applic	able	e
11	PERCENT OF	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)
	5.5%		
12	TYPE OF REP (see Instru		
	IN		
			Page 9 of 18

Item 1(a) Name of Issuer:

GenMark Diagnostics Inc

Item 1(b) Address of Issuer's Principal Executive Offices:

5964 LA PLACE COURT, CARLSBAD, CA 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") Artisan Investment Corporation ("AIC") ZFIC, Inc. ("ZFIC")

Andrew A. Ziegler Carlene M. Ziegler

Item 2(b) Address of Principal Business Office:

APLP, Artisan Investments, Artisan Holdings, APAM, AIC, ZFIC, Mr. Ziegler, and Ms. Ziegler 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 AIC is a Wisconsin corporation ZFIC is a Wisconsin corporation Mr. Ziegler and Ms. Ziegler are U.S. citizens

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; AIC is a control person of APAM; ZFIC is the sole stockholder of AIC; Mr. Ziegler and Ms. Ziegler are the principal stockholders of ZFIC.

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- Item 4 Ownership (at December 31, 2013):
 - (a) Amount owned "beneficially" within the meaning of rule 13d-3:

2,299,335

(b) Percent of class:

5.5% (based on 41,482,932 shares outstanding as of November 1 , 2013)

- (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:

1,965,169

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

2,299,335

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 Artisan Partners. Persons other than Artisan Partners are entitled to receive all dividends from, and proceeds from the sale of, those shares. None of those persons, to the knowledge of Artisan Partners, Artisan Holdings, Artisan Partners Asset Management, Artisan Investments, Artisan Investment Corp., ZFIC, Mr. Ziegler or Ms. Ziegler, has an economic interest in more than 5% of the class.

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: January 30, 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* _____ ARTISAN INVESTMENT CORPORATION By: Gregory K. Ramirez* _____ ZFIC, INC. Gregory K. Ramirez* By: _____ ANDREW A. ZIEGLER Andrew A. Ziegler* _____ CARLENE M. ZIEGLER Carlene M. Ziegler* _____ *By: /s/ Gregory K. Ramirez _____ Gregory K. Ramirez Assistant Treasurer of Artisan Partners Asset Management Inc. Vice President of Artisan Investments GP LLC Attorney-in-Fact for Artisan Investment Corporation Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A. Ziegler Attorney-in-Fact for Carlene M. Ziegler

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Exhibit Index

Exhibit 1 Joint Filing Agreement dated January 30, 2014 by and among Artisan Partners Limited Partnership, Artisan Investments GP LLC, Artisan Partners Holdings LP, Artisan Partners Asset Management Inc., Artisan Investment Corporation, ZFIC, Inc., Andrew A.

Ziegler, and Carlene M. Ziegler

- Exhibit 2 Power of Attorney of Artisan Investment Corporation dated February 28, 2013
- Exhibit 3 Power of Attorney of ZFIC, Inc., dated August 31, 2012
- Exhibit 4 Power of Attorney of Andrew A. Ziegler dated August 31, 2012
- Exhibit 5 Power of Attorney of Carlene M. Ziegler dated August 31, 2012

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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: January 30, 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*

ARTISAN INVESTMENT CORPORATION

By: Gregory K. Ramirez*

ZFIC, INC.

By: Gregory K. Ramirez*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler*

*By: /s/ Gregory K. Ramirez Gregory K. Ramirez Assistant Treasurer of Artisan Partners Asset Management Inc. Vice President of Artisan Investments GP LLC Attorney-in-Fact for Artisan Investment Corporation Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A. Ziegler Attorney-in-Fact for Carlene M. Ziegler

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EXHIBIT 2

POWER OF ATTORNEY

The undersigned, Artisan Investment Corporation, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 28/th/ day of February, 2013.

Artisan Investment Corporation

By: /s/ Andrew A. Ziegler Andrew A. Ziegler President

STATE OF WISCONSIN)) SS. COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 28/th/ day of February, 2013.

/s/ Lisa Moran ------Notary Public

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EXHIBIT 3

POWER OF ATTORNEY

The undersigned, ZFIC, Inc., hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

ZFIC, INC.

STATE OF WISCONSIN)) SS. COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran ------Notary Public

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EXHIBIT 4

POWER OF ATTORNEY

The undersigned, Andrew A. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, his true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on his behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

/s/ Andrew A. Ziegler ------Andrew A. Ziegler

STATE OF WISCONSIN)) SS. COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran ------Notary Public

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EXHIBIT 5

POWER OF ATTORNEY

The undersigned, Carlene M. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, her true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on her behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but

not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

/s/ Carlene M. Ziegler Carlene M. Ziegler

STATE OF WISCONSIN)) SS. COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Carlene M. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran ------Notary Public

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