Appendix 61

PURCHASE ORDER INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE Supplier: LIFELINE DIAGNOSTICS SUPPLIES, INC. P.O. No. : GIAE-PO-2022-06-0641 1225 QUEZON AVE., BRGY. STA CRUZ, QUEZON CITY Address : Date: JUNE 24, 2022 TIN: Gentlemen: Mode of Procurement: PB Please furnish this Office the following articles subject to the terms and conditions contained herein: Place of Delivery: Metrology Building Date of Delivery: Delivery Term: 90CD Stock/ Payment Term : Property Unit Description No. Quantity **Unit Cost** Amount 1 unit SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF 14,000,000.00 14,000,000.00 ONE (1) UNIT NEXT-GENERATOR SEQUENCER CATALOG NO. ITEM DESCRIPTION (Please see attoched Technical Specifications) Miseq System includes the following: Illumina Reagents for System Validation One (1) kit Phix Control v3, Catalog No. FC-110-3001 One (1) kit MiSeq Reagent Kit v3 (600 cycles), Catalog No. MS-102-3003 2. Illumina Reagents for Training Purposes One (1) kit filumina* DNA Prep. (M) Tagmentation (96 samples), Catalog No. 20018705 . One (1) kit Nexterath DNA CD Indexes

(96 Indexes, 96 samples), Catalog No. ILMN 20018708 SY-410-1003 Two (2) kits MiSeq Reagent Kit v3 (600 cycles), Catalog No. MS-102-3003 One (1) kit PhiX Control v3, Catalog No. FC-110-3001 Three (3) years BaseSpace Sequence Hub Professional Annual Subscription One (1) Illumina Analytics Starter Pack -1.000 iCredits Annual Preventive Maintenance per warranty year One (1) unit of Uninterruptible Power Supply, 2kVA One (1) unit of Automatic Voltage Regulator, TION

ITEM DESCRIPTION (Please see ottached Technical Specifications)	UNIT PRICE	QUANTITY
Phix Control v3	FOC	2
Illumina* DNA Prep. (M) Tagmentation (24 samples, IPB)	FOC	1
Illumina* DNA Prep, (M) Tagmentation (96 samples, IPB)	FOC	1
Nextera ^{TR} ONA CD Indexes (24 indexes, 24 samples)	FOC	1
Nextera™ DNA CD indexes (96 indexes, 96 samples)	FOC	1
MiSeq Reagent Kit v2 (S00 cycles)	FOC	,
	(Please see ottached Technical Specifications) PhiX Control v3 Illumina* DNA Prep. (M) Tagmentation (24 samples, IPB) Illumina* DNA Prep. (M) Tagmentation (96 samples, IPB) Nextera** DNA CD Indexes (26 indexes, 24 samples) Nextera** DNA CD Indexes (96 indexes, 96 samples)	PhiX Control v3 PhiX Control v3 FOC Illumina* DNA Prep, [M] Tagmentation [24 samples, IPB] Illumina* DNA Prep, [M] Tagmentation [96 samples, IPB] FOC Nextera** DNA CD Indexes [24 Indexes, 24 samples] Nextera** DNA CD Indexes (96 indexes, 96 samples) FOC MiSeq Reagent Kit v2 (500 cycles)

WARRANTY

Three (3) years on parts and service under normal use

INSTALLATION

To be installed on-site by an illumina trained and certified Service Engineer

TRAINING

To be conducted on-site by an Illumina trained and certified Applications Specialist

Amount

ppendix 61

PURCHASE ORDER INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

100	- a correct	MENT INSTITUTE	
Supplier:	LIFELINE DIAGNOSTICS SUPPLIES, INC.		
1		P.O. No. :	GIAE-PO-2022-06-0641
Address : TIN :	1225 QUEZON AVE., BRGY. STA CRUZ, QUEZON CITY	Date :	JUNE 24, 2022
Gentlemer		-	,
	Please furnish this Office the following articles and the second	Mode of Procurement: PB	
	The second state of the second		100000000000000000000000000000000000000

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of De Date of Del	ivery:	Metrology Building		D-U
Stock/	ivery:			Delivery Term: 90CD
Property	Unit			Payment Term :
No.	Unit	Descripti	ion	Quantity Uni
		MiSeq™ System (SY-410-1003)		
	į.	Focused power. Speed and simplicity for	tarrate d	
1		resequencing and small-genome sequen	raigeted	
1				la Gertatio
1		Product Highlights		
1		A Evenuel and I		15
		Exceptional data quality		2707 - 1212 - 12
- 1		High-quality data demonstra	ted	
- 1		through peer-reviewed, scier comparison	ntific	THE RESIDENCE OF THE PARTY OF T
- 1		Simple, intuitive instrument wor		
		Highly automated system for	KIIOW	
- 1		Fast turnaround time	tures a simple, easy-to-use instrur	ment interface
- 1			detection for time-critical studies	
		and applications		
- 1		 Adjustable read length and flo 	ow cell options provide ultimate fle	
- 1		range of applications	The special provide unimate fie	exibility across a broad
1		Mison System Cultural		
	- 1	MiSeq System Specifications		
		Parameter	And the second s	and the state of t
- 1		Instrument configuration	RFID tracking for consumable	cifications
			Miseg Control Software	
		Instrument control computer (internal)*	Local Run Manager Software	
- 1		,	Base unit: Intel Core i7-27100 Memory: 16 GB RAM	QE 2.10 GHz CPU
			Hard drive: 750 GB	
		Operating environment	Operating system: Windows	7 embedded standard
- 1			Leurbergrote: \$5.C \ 3.C	And the second of the second o
			Humidity: Noncondensing 209 Altitude: Less than 2000 m (6,	%-80% 500 \$11
1			Air quality: Pollution degree r.	ating of H
			ventuation: Maximum of 1 36	4 BTU/h
	1	Light emitting diode (LED)	For Indoor Use Only 530 nm, 660 nm	***************************************
- 1		Dimensions	WxDxH: 68.6 cm x 56.5 cm v 5	2.3 cm (27.0 in × 22.2 in × 20.6 in)
- 1				
- 1		Power requirements	Crated weigh: 93.6 kg (206 lbs)
		Radio frequency identifier (RFID)	100-240 VAC at 50/60 Hz, 10A Frequency: 13.56 MHz	400W
	1	Product safety and compliance	Power: 100 mW	
		sensety and compniance	NRTL certified IEC 61010-1	The state of the s
	1	and an analysis of the state of	CE marked FCC/IC approved	Li-
		 Computer specifications are subject to 	change.	The state of the s
	h	MiSeq System Sequencing Workflow	. We. * *	
1	-	1. Library Preparation		1
		 Add sequencing adapters and pre 	epare libraries for	1
1		and		1
1		- Transfer libraries to the flow cell	and sequence	
		s. Data Analysis		1
	1	Process/annotate data, report ger Final Results	nomic variants on-instrument	
	1	4. Final Results		1

Interpret and report biological context

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Appendix 61

		LIFELINE DIAGNOSTICS SUPPLIES, INC.			GIAE-PO-2022-06-0641	
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		furnish this Office the following and a	or guilding to at	Mode of Procurem	ent : PB	
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Stock/				Payment Term :	-U	
roperty No.	Unit	D	escription			
		Secret Annual Control		Quantity	Unit Cost	Amount
		System Workflow and Applicat	ilons			
- 1		Feature	Separate State of Sta	9-99 1		
- 1		Easiest and simplest integrated workflow	Single, integrated instrument	ription	WWW Similary Services	
İ			Single instrument performance	s clonal amplification is	onuonais -	
- 1			and data analysis (e.g. base and reporting)	calling, alignment, vari	ant calaling,	
			 instrument footprint less the space 	an two square feet of	h consistence	
			* No need for dodings	The same of the sa	ountit(3)	
		Shortest hands-on time	No need for dedicated ancil computing/IT infl astructure	nary amplification syste	m or	
			"8 hour total turnaround time from reporting with less than 30 minutes			
	1		* 15 minutes hands-on time a			
			time with Nextera XT • 15 minutes hands on time 6		or y prep	
	Lange		15 minutes hands-on time for end sequencing)	or run set up (amplifica	tion, paired-	
	- 1		# 1 hour on-instrument cluster	generation		
		Paired-end capability	3 hour on-instrument sequer 3 hour on-instrument analysi Hands-free completely	ncing run (1 x 36 bp rea	id length)	
- 1		eahantiifk		mated, on-instrument	nvirod real	
	-	Highest output	* Support up to 2 x 300 hp read	lannth	- Che	
			Up to 15 Gb of high-quality de run	ata passing filter nor 1.	v 300 hp	
		Most accurate data quality	Accurate variant detection enabled by (SBS) chemistry	The same of the sa	a word Did	
	and		(SBS) chemistry	r proven Sequencing b	y Synthesis	
			terminator technology all	on with a proprietary n	eversible	
	- Summer		even through homonolymasis	nor nignry accurate seq	uencing -	
	V	Videst application flexibility	demonstrated leader in data a Fully optimized, highly multiplexed san resequencing	ccuracy		
	in design					
	Al Barriery		resequencing snapping hunder		The state of the s	
			With multiplexing, prepare >14 (96 samples x 1536 amplicant	7,000 amplicons in = =:	e pairs	
			total)	er sample 147,456 am	plicons	
			Call variants in >147,000 amplic lab equipment	ons in two days using	tandord	
	in a	1	All oligo designs, reagents, and			
	- weeking	ter and the second seco	All oligo designs, reagents, and : Illumina without researcher hav Flexible amplicon sizes - really	ing to use a 3th party for	by from	
	Total age		support for FFPE, and larger to	to enable custom pan	ei	
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	ManayAwayaga		without further manipulation	unectly onto the MiSer		
			Widest application flexibility among all b	the object		
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1		940				
- 1	t	Andrews (ac)	Greater than 25 million reads per RNA sequencing and assay metho Greater than 15 Chapter than 15 Chap	single-end run enable	small	
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Appendix 6.

PURCHASE ORDER

			INDUSTRIAL TECHNOLOG	ASE ORDER BY DEVELOPMENT INSTITUTE		
Supplier :		IE DIAGNOSTICS SUPPLIES, I	NC.			
ddress:	1225 QI	UEZON AVE., BRGY. STA CRUZ,	QUEZON CITY	P.O. No. : Date :	GIAE-PO-2	022-06-0641
IN : Gentiemen		And the Annual Control of the Annual Control	an approximate the second spot a successful section and a second	water	JUNE 2	4, 2022
		urnish this Office about 1		Mode of Procurem	ent: PB	
			ng articles subject to the terms and co	anditions contained herein.		
ace of Deli ate of Deli	eresy.	Metrology Building				
Stock/	very.			Delivery Term: 900	D .	
roperty	Unit		Description	Payment Term :		
No.				Quantity	Unit Cost	Amount
- 1		Instrumentation and So	ftware	1		Amount
- 1		Feature	man and the second of the seco	-		
- 1	- 1	Data generation	Number of reads per run	Description		
	- 1		22-25 million rea	ads per run (e.g. clusters passing filt	art	
	- 1		Throughput per run			
			• 13.2-15 Gb data	per 2 x 300 bp run		
- 1	- 1		Sequencing flexibility		et-demonstrative.	
- 1			Set-up options in	clude single-read or paired-end run clude imaging top, bottom, or both	s	
- 1			Flow cell options i	In a male to the	1 1	
-			used to select ima	(e.g. original, micro or nano flow ce ige area utilization and thus select o	lls) can be	
- 1	- 11		* Read-length is full	V Aditistable Commander	ì	
	11	Instrumentation	Overlapping 2 x 30 bp reads on the sa		ate 550	
- 1	1		MiSeq physical specificatio	100		
	P. Later and		(27.0 in x 22.2 in x	ent; W x D x H: 68.6 cm x 56.5 cm x 20.6 [n]	(52.3 cm	
1			• Weight: \$4.5 kg (1)	20 (bs)		
			Illumination			
				e at 530 nm, 660 nm		
- 1			Reagent handling		1	
1			cartridge containing	partment has capacity for one reag reagents for cluster generation, page 600 cycles of sequences.	ent	
			* Reagents arrive pro-	reagents for cluster generation, po o 600 cycles of sequencing mixed in an integrated, RFID enable	lired-end	
			reagent cartridge	an integrated, RFID enable	ed,	
- 1			Flow cells			
			MiSeq is a single flow Each flow cell is a suf-	historian autol		
1			imaged on either the	bstrate with a single channel that care top, bottom, or both surfaces as n	en be	
1			Flow cell loading		1	
			Flow cells are auto-pomechanism	ositioned and held in place by a clar	nping	
-	1		Flow cells are keyed a	uch that there is only one correct		
	1		on estuation	a a constant of the second		
						1
			Instrument control computer			
			no additional compute	nputer is integrated in the sequence	er -	
	Sequ	rencing run time	variant calling	one pertorning alignment and		
			Sequencing runs can be com	hn cinal -	Mrs. Latter Coloration of September of Hamiltonian	1
	- Albayro			5 bp single-read sequencing run 25 bp paired-read sequencing run		
	1					
	1		• ~39 hours for a 2 x 2	50 by paired-read sequencing run	1	
1 1			* 765 hours for a 2 x 30	on physical-read sequencing run on the paired-read sequencing run eneration, sequencing, and baseca		1
			with quality scores		1	1

Appendix 61

Address :	1225 Q	UEZON AVE., BRGY. STA CRUZ, QUEZON CI	and the second s	P.O. No. :	GIAE-PO-20	22-06-0641
iaaress ; IN :		, TIA CRUZ, QUEZON CI	Y	Date : JUNE 24, 2022		
entlemer	n:		and the second section of the second section of the second section of the second section secti	Mode of Procurem		
	Please f	urnish this Office the following articles	Othio-ta- d	mode of Froculen	eur: hR	
		urnish this Office the following articles	subject to the terms and conditions cor	itained herein:		
ace of De ite of Deli	ivery:	Metrology Building		Date of		
Stock/	ivery.			Delivery Term: 900 Payment Term:	CD	
roperty	Unit	2000	*	is dynient (erm;		
No.			ription	Quantity	Unit Cost	
- 1		Instrument control software	MiSea Control S. f.		1	Amount
- 1			MiSeq Control Software (MCS launch, and monitor runs) offers a simple into	erface to configure,	
- 1			Easy-to-use, intuitive	interface of tecc		
			" IVILS Offers Users the	hility to students at	data to BaseSpace®	
- 1			a cloud computing en onsite data storage an BaseSpace also provid			
- 1					computers.	
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			muning experiment A	Shower (ICan) -cc.	a graphical user	
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			1111 00811 0926709C6 110	ers can monthly the	r MiSeg run	
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		Analysis software	Multiple, standardized downstream analysis as			
- 1		,	THE ANALYSIS (RTA	I provides seed at	On-instrument	
- 1						
- 1			 MiSeq Reporter (MSR) including alignment and 	provides on-instrume	ent data analysis,	
	1		Somatic variant detection pairing			
	de-int-					
1	1		 Alignment and variant re after run completion wh 	porting occurs in as	little as two hours	
- 1	4		BaseSpace	בתו-חס זוכועו פיייבט יי-	trument or in	
			 Fully optimized analysis 	Olutions within RACH		
					are brovided for:	
	- Arrestante		O TruSeg Custom	Amplicon Assay		
- 1	1		o TruSeq Amplico	n Cancer Panel		
- 1			o TruSeq Targeted	RNA Expression	A-1	
			o Nextera PCR am	olicon		
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- 1	all Market States					
		and the second s	 Alignment and variant call BWA/GATK 			
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Appendix 61

Supplier :	LIFELI	NE DIAGNOSTICS SUPPLIES, INC.		P.O. No. :		
A adadas	1225 C	QUEZON AVE., BRGY. STA CRUZ, QUEZON	CITY	Date:	GIAE-PO-20	
Address : TIN :	- Bernandeldelerie		the second secon	**************************************		
Gentleme	n:		Mode of Procurement:	РВ		
			es subject to the terms and conditions co	ntained herein:		
Place of De Date of Del		Metrology Building	***	Delivery Term: 90CD		
Stock/	Ivery:			Payment Term :		
Property No.	Unit	De	escription	Quantity	Unit Cost	Amount
		Sample Preparation			-	
		Feature Sample preparation requirements	Description	n		
			Genomic DNA Nextera XT sample libraria minutes by one full-time employee (FTE) time. Nextera XT sample prep includes b (<550 bp) paired-end runs. Hardware for template DNA is not resuited.	with <15 minutes hands-on oth single and short-insert fragmenting or shearing		
		Sample preparation kits	Proprietary Nextera and Nextera XT san sequencing's fastest, easiest, and lowes	t input sample prep.	The second secon	
			Ready-to-use kits are available to prepa DNA sequencing (single-end, pai RNA sequencing (human exome ChiP-sequencing Sample multiplexing Up to 96 indices with he	red-end, or mate-pair reads		
			Sample Preparation Kits For highly multiplexed a 1,536 targets			
		Amplification	'A symptotical > programmed	to me the many of the		
		Feature	A PARTICULAR SECURIOR DE SECUR	West Watthewareness N Property Colors		
		Amplification method	Solid-phase isothermal amplificat molecule array clusters is comple user intervention	ion to produce closet alests		
			No need for emulsion PCR or add	ltional equipment		
		Amplification sample throughput	amplification is performed directi Genomic DNA sample library can by one full-time employee (FTE) if (<550 bp) paired end runs with Ni Nextera sample prep enables simi	be prepared in <90 minutes or both single and short-insert		
	BALLEY CONTROL OF	Amplification time	A single operator can amplify up to single channel flow cell in one hour instrument Amplification is fully automated.	o 96 samples or more on a ir using a single MiSeq		
		Cluster generation	Automated simultaneous clonal an millions of single molecule DNA te containing approximately 500-1,00	mplification of hundreds of		
		Informatics	original DNA sequence	***************************************		
		Feature	Description	Secretaria and the second second second second		
- No. of the Control		Automated bioinformatics delivers biologist-friendly data analysis	 Graphical user interface (no comma No bioinformatics skills needed to go relevant data Simple, easy-to-read reports automa Easily import MiSeq output files to y software for downstream analysis Offline data analysis is available via software Reports viewable in Windows, Mac. 	enerate biologically- stically delivered our favorite third party standalone MiSeq Reporter		
		Industry standard file formats	Automated data analysis using BWAy Eland/Starling for all anment and vari	ded GATK or optional ant calling		
Conditional and Assessment Constitution of the			MiSeq outputs standard file formats most third party software FASTQ BAM VCF Text (csv. tsv)	tnat are compatible with		

Appendix 61

Supplier:	LIFELI	NE DIAGNOSTICS SUPPLIES, INC.		P.O. No. ;	7115 PA	
Address :	1225 (QUEZON AVE., BRGY. STA CRUZ, QUEZON CITY	Control of the second of the s	Date:	GIAE-PO-20	T with a series after with a series
TIN:	(Obstanjo politica assaul				JUNE 24	1, 2022
Gentlemer				Mode of Procurem	ent: PB	
		furnish this Office the following articles sub	pject to the terms and conditions con	tained herein:		
Place of De	Delivery:		Delivery Term: 90	rn.		
Stock/				Payment Term :	LD	
Property No.	Unit	Descrip	ition	Quantity	linit Cost	O 100 a 10
INO.		Seamless integration with BaseSpace, Illumina's cloud computing platform	* Remotely monitor you via BaseSpace Minimal bioinformatic sophisticated bioinformatic sophisticated bioinformatic sophisticated bioinformatic sophisticated bioinformatic sophisticated bioinformatic high availability and uservice level agreemed. MiSeq run data can be to BaseSpace Data upload to cloud in time-consuming manual substance analysis happens in BaseSpace. Scalable data storage a space available. Secured AES-256 encry BaseSpace. EU Safe Harbor certified collaborators	iseSpace Integration or MiSeq run on the cs expertise needed matics analysis hardware/infrastrumptime surpassing mints exept locally as well as completed at endual data transfers is (mapping, alignment and archiving; virtual opted data streaming d to facilitated data	Internet in real-time to perform cture investment any institutional as streamed directly of run, elimination ent, variant calling) illy limitless storage g and storage in sharing with EU	Amount
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