

PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Appendix 61

18 2/23/13

Supplier ITS SCIENCE PHILS., INC.	P.O. No. : 2018-11-0574 (GFE)
Address : #3434-C C. Raymundo Ave., Rosario, Pasig City	Date : November 15, 2018
TIN :	Mode of Procurement : Public Bidding

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

Place of Delivery : Metrology Building (not later than 4:30 pm)	Delivery Term : 6 - 8 weeks
Date of Delivery :	Payment Term :

Stock/Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	lot	<p>Supply, Delivery, Installation and Commissioning of One (1) Lot QRT-PCR System with Accessories.</p> <p>-The AriaMx Real-Time PCR System is a fully integrated quantitative PCR amplification, detection, and data analysis system. We have invented a new, more flexible format for precision qPCR optics. The latest design combines a state-of-the-art thermal cycler, an advanced optical system with LED excitation source, and data analysis software. Continuing the tradition of intuitive software, the instrument now has a touchscreen so plates and analytics can be started with the touch of a finger. With enhanced performance, the software provides results capturing RDML information required for publishing under the miQE guidelines. Simultaneously, the software is equipped to export images and raw data in multiple formats, allowing results to be viewed in common programs.</p> <p>Excitation Source 3 dye specific LEDs per optical module Detection Sources 3 silicon photo-detectors per optical module Dyes (at launch) SYBR/FAM 462.5 - 516.0nm. Detectable Ct for 0.001ng/DNA per reaction (R2 > 0.980) HEX 535.0 - 555.0nm. Detectable Ct for 0.001ng/DNA per reaction (R2 > 0.980) ROX 585.0 - 610.0nm. Detectable Ct for 0.001ng/DNA per reaction (R2 > 0.980) CY3 542.0 - 568.5nm. Detectable Ct for 0.001ng/DNA per reaction (R2 > 0.980) CY5 635.0 - 665.0nm. Detectable Ct for 0.001ng/DNA per reaction (R2 > 0.980) 6 slots, swappable - Ask about our custom cartridge design program Dye Selection Excitation and emission Reaction Volume 10µL to 30µL Chemistries Supported SYBR, Probe, HRM Thermal System Six peltiers made from two ceramic plates with semi-conductor elements, 96 well Thermal System Temperature Range 25.0 - 99.5°C Heating: 6°C/sec Cooling: 3°C/sec (Median), 2.5°C/sec (Average) Accuracy: ± 0.2°C or better at typical annealing, amplification, and denaturation temperatures Dynamic Range 10 fold Comparative Quantitation 2x (Range 1.3x to 3x), 10x (Range 6.5x to 15x) Multiplex Difference in Ct between single-plex and multiplex assay wells is <0.7 Sensitivity (FAM) Discriminates between 2 fold populations ranging from 100k to 12 copies with 95% confidence Uniformity Ct St Dev (5s/10s) <0.20, 5 colors, SYBR and TM assays Electrical Power (input) 100 - 240VAC, 50/60Hz, 1100A Operating Environment 20 - 30°C, 20 - 80% non-condensing humidity, 7500 feet, max altitude Weight 50 lbs. (23 kg) Dimensions 19.7" W x 18.1" D x 16.5" H (50cm x 46cm x 42cm) Sample Containers 0.2ml tubes, 96 well plates, strip tubes Warranty - 2 year warranty is standard with the instrument • 5 year warranty and service packages available Onboard Analytics • Thermal, physical, interactive (sensors) tests</p>	1	4,180,000.00	4,180,000.00

PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

12. 5003 GT

Supplier : ITS SCIENCE PHILS., INC.		P.O. No. : 2018-11-0574 (GFE)			
Address : #3434-C.C. Raymundo Ave., Rosario, Pasig City		Date : November 15, 2018			
TIN :		Mode of Procurement : Public Bidding			
Gentlemen, Please furnish this Office the following articles subject to the terms and conditions contained herein:					
Place of Delivery : Metrology Building (not later than 4:30 pm)		Delivery Term : 6 - 8 weeks			
Date of Delivery :		Payment Term :			
Stack/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		<ul style="list-style-type: none"> • Extended: 125 performance points tested in 30 minutes • Start-up: 59 performance points tested in ~1 minute • Optional bypass of both features <p>Services (upon request) • Installation and familiarization</p> <ul style="list-style-type: none"> • Standard and Enhanced Preventative Maintenance • Additional year warranty (+1 increments, up to 5 years coverage) • Return-to-Agilent Instrument Exchange Program • Thermal block verification <p>Operating System Windows 7</p> <p>Run Modes • Stand alone</p> <ul style="list-style-type: none"> • PC connected • LAN connected: more than 20 instruments can be connected and monitored remotely • External devices/USB connected <p>Optical Module Calibration and Cleaning</p> <ul style="list-style-type: none"> • All channels can be tested and calibrated • All attributes of channels can be calibrated - LED light, light path, and mirror • Optical modules can be cleaned in lab without Agilent technician or sending back to factory <p>Selected Applications • Quantitative and qualitative gene expression analysis</p> <ul style="list-style-type: none"> • miRNA analysis • Genetic mapping • Genetic fingerprinting • NGS library quantification • 2-6 channel multiplex analysis • HRM analysis (including genotyping, zotational analysis, and class IV SNP detection) • Pathogen quantifica 			TOTAL CARRIED FORWARD
2	pc	LABORATORY EQUIPMENT TABLE	2		
3	unit	SBC MINI CNTRIFUGE FORCE MINI	1		
4	unit	SYNGENE IN GENIUS GEL DOCUMENTATION SYSTEM	1		
5	unit	CBS HORIZONTAL GEL ELECTROPHORESIS SYSTEM	1		
6		HETTICH MICRO ENTRIFUGE MIKRO 300 24 PLACER ANGLE ROTOR 1.5 ML	1		
7		CRS EXPEDION VORTEX MIXER	1		
8		SHELBCT BIO PRODUCT DUAL DRI BATH	1		
9		HOT PLATE MAGNETIC STIRRER	1		
10		PCR COOLED ICELESS COLD STORAGE	2		
11		CRYO BOXES	5		
12		FLOATING MICROTUBE RACK	2		
13		STORAGE CABINET FOR ACESORIES 2	2		
<i>Warranty: One (1) year on parts and services.</i>					

PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

12. 2013 GT

Supplier : ITS SCIENCE PHILS., INC.		P.O. No. : 2018-11-0574 (GFE)				
Address : #3434-C C. Raymundo Ave., Rosario, Pasig City		Date : November 15, 2018				
TIN :		Mode of Procurement : Public Bidding				
Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:						
Place of Delivery : Metrology Building (not later than 4:30 pm)		Delivery Term : 6 - 8 weeks				
Date of Delivery :		Payment Term :				
Stock/Property No.	Unit	Description	Quantity	Unit Cost	Amount	
				TOTAL CARRIED FORWARD		
		<i>fr. [Signature]</i> End User: AGNES P. DE ASIS			4,180,800.00	
			Less: VAT	186,607.14		
			EWT	37,321.43		223,928.57
Page 3 of 3					3,956,071.43	
Total Amount in Words: Three million nine hundred fifty six thousand seventy one pesos & 43/100.						
Conforme:			Very truly yours,			
<i>[Signature]</i> Signature over Printed Name of Supplier Date: 12/17/18			<i>[Signature]</i> DR. ANNABELLE V. BRIONES Signature over Printed Name of Authorized Official OIC-ITDI, Deputy Director, R&D Designation			
Fund Cluster : Regular Agency Fund			ORS/BURS No. : 201801962			
Biological Metrology for Microorganisms in Food			Date of the ORS/BURS: _____			
Funds Available : ₱ 4,180,000.00			Amount : ₱ 4,180,000.00			
<i>[Signature]</i> SOLEDAD S. REYES 12/12 Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit						

