



Republic of the Philippines
DEPARTMENT OF AGRICULTURE
 Regional Field Office 12
 CSA Building, Zulueta Street, Koronadal City
 BAC Secretariat Office Tel./Fax No. 5200564



NOTICE TO PROCEED

The President
Lifeline Diagnostic Supplies, Inc.
 Unit 101, 102 & 103 Executive Suites
 1132 Quezon Ave., Quezon City

Sir:

Having entered into a contract with the Department of Agriculture, RFO 12, Koronadal City, you are hereby authorized to proceed with the **Supply and Delivery of One (1) Unit Real Time PCR Detection System (Thermal Cycler With 96-Well Reaction Module)** with ITB Reference No. 3701667 in the amount of **Two Million Two Hundred Ninety-Nine Thousand Nine Hundred Ninety-Eight Pesos (Php2,299,998.00)** which shall be completely delivered at **DA-RADDL, Lagao, General Santos City** within **Sixty (60) calendar days**, subject to the terms and conditions of the contract agreement with the following specifications; to wit:

- Block Format - 96 well
 - Upgradeable to 384 well
- Block Design - Reduced-mass honeycomb sample block design
- Maximum ramp rate - 5°C/sec
- Average ramp rate - 3.3°C/sec
- Heating and cooling method - Peltier
- Lid - Heats up to 105°C
- Temperature
 - Range - 0-100°C
 - Accuracy - ±0.2°C of programmed target at 90°C
 - Uniformity - ±4°C well to well within 10 sec of arrival at 90°C
- Thermal Gradient
 - Operational range - 30-100°C
 - Programmable span - 1-24°C

Optical Detection

- Excitation - 6 filtered LED's
- Detection - 6 filtered photodiodes
- Range of Excitation/emission wavelengths - 450-730 nm
- Calibrated dyes - FAM™/SYBR Green I, HEX™/JOE™/TET™/VIC/Cal Gold 540™, ROX™/Texas Red/Cal Red 610™, Cy5/Quassar 670™, Quasar 705™
- Sensitivity - Detects 1 copy of target sequence in human genomic DNA
- Dynamic Range - 10 orders of magnitude
- Scan Time
 - Single channel fast scan - 3 sec.
 - All channels - 12 sec

Salvador Flores Plank
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Software

- Operating systems - Windows 7, Windows 8
- Memory - minimum of 1GB
- Multiplex analysis - Up to 5 targets per well
- Data Analysis modes - PCR quantification with standard curve; melt curve analysis; gene expression analysis by relative quantity (ΔCq) or normalized expression ($\Delta\Delta Cq$) with multiple reference genes and individual reaction efficiencies; data analysis options include bar chart, clustergram, scatterplot, volcano plot, and heat map; multiple file gene expression analysis for comparison of an unlimited number of Cq values; allelic discrimination; end point analysis
- Data export - Save, copy and print all graphs and spreadsheets from right-click menu; export specified data in multiple formats; copy and paste in Microsoft excel, Word or Power point file; customizable reports containing run settings, data graphs, and spreadsheets can be directly printed or saved as PDFs

System

- Sample capacity : 96 wells
- Sample size : 1-50ul (10-25ul recommended)
- Communications : USB 2.0
- Electrical approval : IEC, CE
- Dimensions (WxDxH) : 33x46x36cm (13x18x14")
- Weight : 21kg (47lb)
- Real Time PCR license : Yes
- Real Time PCR Run in Stand - Alone Mode - Yes

Inclusions:

5. Thermal cycler chasis
6. Optical Reaction Module
7. Software
8. Starter reagents and consumables

Other Inclusions:



5. Precision Melt Analysis Software
6. Desk Top and Printer
7. Uninterruptible Power Supply
8. Automatic Voltage Regulator

Warranty : 2 years on parts and services

Done this _____ day of JUN 30 2016 2016 at Koronadal City, Philippines

Very truly yours,


AMALIA J. DATUKAN, MBA
 Regional Executive Director



 Acknowledged Receipt
 Print Name and Signature
 Date June 30, 2016
 Prepared by 
MONINA M. SALENDAB
 Head-BAC Secretariat