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STATE PROCUREMENT OFFICE
NOTICE & REQUEST FOR SOLE SOURCE

STATE PROCUREMENT OFFICE
STATE OF HAWAII

- 1. TO: Chief Procurement Officer
- 2. FROM: DOH/SLD/LERP/Chemical Response Laboratory
Department/Division/Agency

Pursuant to §103D-306, HRS, and Subchapter 9, Chapter 3-122, HAR, the Department requests sole source approval to purchase the following:

3. Description of goods, services, or construction:
 A Liquid Chromatograph- Triple Quad Mass spectrometer instrument is required by CDC to remain in compliance with the current Public Health Emergency Preparedness Cooperative Agreement. The Agilent 6460 Triple Quad LC/MS system consists of a Rapid Resolution Liquid Chromatography (RRLC) system (1200 series), 6460 Triple Quad Mass Spectrometer and a Mass Hunter Work Station data system. The RRLC system includes an automatic liquid sampler, a temperature controlled column compartment with post column cooling, a binary high pressure pumping system for rapid analysis, a micro mobile phase degasser and a diode array detector. The 6460 Triple Quad Mass Spectrometer is equipped with the Agilent Jet Stream thermal gradient focusing technology for increased sensitivity. The computer is a Mass Hunter Work Station data system with the Multi Reaction Monitoring software which provides complete control and improved data processing. This system has all the required features to comply with CDC testing requirements as well as unique features such as a multimode ionization source that greatly expands our ability to analyze both polar and nonpolar compounds.

<p>4. Vendor Name: Agilent Technologies Address: North American Customer Contact Center 2850 Centerville Road BU3-2 Wilmington, DE 19808-1610</p>	<p>5. Price: \$408,544.06</p>
<p>6. Term of Contract: (mm/dd/yyyy) From: <u>one time purchase</u> To: _____</p>	<p>7. Prior Sole Source Ref No. _____</p>

8. Feature: The good, service, or construction has the following unique features, characteristics, or capabilities:
1. Innovative, Dynamic Multiple Reaction Monitoring (MRM) – simplifies method development and ensures consistent ion statistics with constant cycle times resulting in greater reproducibility than other methods for peak area measurements.
 2. Agilent Jet Stream technology provides femtogram to sub-femtogram sensitivity for standard flow rate separations and HPLC-Chip/MS technology for nanoflow separations.
 3. MassHunter MS Optimizer software – automatically optimizes ion transitions and fragmentor and collision energies for both singly charged small molecules and multiply charged peptides.
 4. Hexapole collision cell – eliminates cross-talk even at very short dwell time, enabling fast, multi-analyte assays.
 5. MassHunter Quantitative Analysis software – compound- and sample-centric with unique features like a parameterless integrator that helps you reduce mass spectrometry data to meaningful quantitative results with minimal manual intervention.
 6. Fully customizable reports – enable better-informed and more collaborative decision making.
 7. The multi-mode ionization operates either in dedicated ESI or APCI or continuously simultaneously both ESI and APCI.
 8. The multimode source is able to vaporize aqueous flows up to 2ml/min without the use of splitters or diverters.
 9. Data system acquires MS and UV signal from the LC detectors.
 10. The liquid chromatography system has a higher pumping pressure (600 bar, 8820 psi) required for rapid analysis.

9. Essential features. How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work: The Agilent 6460 Triple Quad LC/MS system possesses many unique advanced features that are absent in other LC/MS systems. The 6460 liquid chromatography system operates at higher pressures which significantly improves peak resolution and reduces analysis times. Jet Stream technology with thermal focusing beam collimation provides improved sensitivity which enables trace analysis in the sub-femtogram detection levels. A significant advantage over other LC/MS systems is the multimode ion source that enables testing of polar and nonpolar compounds. The 6460 triple quad detector system 3000 m/z mass range enables identification of biotoxins and proteins. The Multi Reaction Monitoring feature also offers high precision and rapid MS cycle time, which makes it an ideal technology for validating biomarkers in a high-throughput fashion. The system software has one step data extraction of compound-specific spectral and chromatographic information. An Agilent service engineer is located in Hawaii for better service and a ten year use guarantee/residual credit towards an upgrade is provided

11. Alternate source. The following other possible sources for the good, service, or construction were investigated but do not meet our needs because:

The Applied Biosystems API 4000 LC-MS/MS system is less sensitive and more expensive.
The Varian LC-MS/MS system does not have the required sensitivity or the mass range.
Shimadzu does not make a LC/MS Triple Quad.

REQUEST FOR SOLE SOURCE (Cont.)

Submit in Duplicate

12. Direct any inquiries to: Department: DOH, SLD, Chemical Response Lab Contact Name/Title: Gerald Pitz, Assist. Lab Coordinator	13 Phone Number: 808-453-6749 Fax Number: 808-453-6662
Expenditure may be processed with a purchase order/p-Card: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, a contract must be executed and funds certified.	
Agency shall ensure adherence to applicable administrative and statutory requirements, including HAR Chapter 3-122, Subchapter 15, Cost or Pricing Data, if required.	

14 I certify that the information provided above is to the best of my knowledge, true, correct and that the goods, services, or construction are available through only one source.

[Handwritten Signature]

DEC - 1 2009

Department Head Signature

Date

Reserved for SPO Use Only

15 Date Notice Posted: 12-2-09

Submit written objections to this notice to issue a sole source contract within seven calendar days or as otherwise allowed from the above posted date to: Chief Procurement Officer, State Procurement Office, P.O. Box 119, Honolulu, Hawaii 96810-0119

16. Chief Procurement Officer's comments:

Approval is based on department's determination that the Agilent 6460 Triple Quad contains a unique feature as a multimode ionization source. This approval is for the solicitation process only, HRS section 103D-310(c) and HAR section 3-122-112, shall apply. Department is reminded that procurements \$2,500 or more are required to be posted on the Procurement Reporting System.

Department is also reminded that procurement over \$100,000 require cost or pricing data pursuant to HAR Chapter 3-122 and subchapter 15.

17.

APPROVED DISAPPROVED NO ACTION REQUIRED

[Handwritten Signature]
Chief Procurement Officer

12/15/09
Date