



14 MAY 20 P2:34

STATE PROCUREMENT OFFICE NOTICE & REQUEST FOR SOLE SOURCE

ADMINISTRATION
STATE PROCUREMENT OFFICE
STATE OF HAWAII

TO: Chief Procurement Officer
FROM: Agriculture/Animal Industry Division
Name of Requesting Department

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

1. Describe the goods, services, or construction to be procured.
One unit, Applied Biosystems 7500 FAST real-time PCR system. The instrument is supplied with a dedicated notebook computer platform. The instrument is supplied with a chemical installation kit, calibration kits, instrument verification kit and automated oligonucleotide design software. The instrument is UL apporved and is manufactured in accordance with quality system requirements that comply with ISO 9001:2000 standards. The system also includes proprietary software to allow the simultaneous detection of up to five different fluorophores, while providing absolute quantitation, relative quantitation and allelic discrimination assays. Includes two year service agreement and freight.

| | |
|---|--|
| 2. Vendor/Contractor/Service Provider Name: Life Technologies Corporation (Fisher Scientific/Thermo Fisher Scientific) | 3. Amount of Request: \$65,000.00 |
| 4. Term of contract (shall not exceed 12 months), if applicable: From: 5/9/2014 5/30/14 To: 5/8/2015 9/30/16 <i>5/30/14</i> <i>9/30/16</i> | 5. Prior SPO-001, Sole Source (SS) No.: n/a |

6. Describe in detail the following:

a. The unique features, characteristics, or capabilities of the goods, service or construction.
The instrument is an integrated system designed to perform both real-time PCR (polymerase chain reaction) and post-PCR (end-point analysis). The instrument is capable of analyzing 96 samples simultaneously in a 96-well plate format, while utilizing internal positive controls. Relative quantification software incorporates the ability to simultaneously visualize and analyze up to ten 96-well plates of gene expression data. The instrument is able to support two homogenous reaction chemistries, the fluorogenic 5' nuclease assay using TaqMan probes and the SYBR Green I double stranded DNA binding dye chemistry. The instrument can perform quantitative real-time PCR applications in less than 40 minutes. The instrument utilizes a tungsten-halogen lamp rather than an expensive laser, a cooled charge-coupled (CCD) camera, and an optical system which utilizes multiple filter sets to enable multiple wavelength detection. (continued on attached page)

b. How the unique features, characteristics or capabilities of the goods, service or construction are essential for the department
PCR technology has proven to be highly accurate and reproducible in the identification of bacterial and viral pathogens. Real-time PCR is quantitative, less subjective, and much faster than conventional PCR. FAST real-time PCR offers an even greater savings of time, material and labor. FAST real-time PCR is an especially powerful tool for the detection of viruses such as avian influenza, classical swine fever and foot and mouth disease (all are economically significant and/or public health diseases). FAST real-time PCR quickly detects the presence of RNA or DNA without the necessity of maintaining expensive and labor intensive host cell lines. FAST real-time PCR technology allows for the rapid and accurate identification of organisms, which is essential in veterinary regulatory medicine, where rapid identification of disease-producing organisms is critical for implementing timely and effective intervention, especially when dealing with foreign animal diseases or other animal diseases of public health or economic importance. (continued on attached page)

7. Describe the efforts and results in determining that this is the only vendor/contractor/service provider who can provide the goods, services or construction.

Extensive research and direct communication with personnel in the Hawaii Department of Health Bioterrorism group, NVSL, and NAHLN, all of whom have extensive experience utilizing this system for their diagnostic needs. NVSL/NAHLN have specific equipment requirements (i.e. the ABI 7500 FAST) to run several official diagnostic real-time PCR protocols, including those for Avian Influenza, Classical Swine Fever and Foot and Mouth Disease.

8. Alternate source. Describe the other possible sources for the goods, services, or construction that were investigated but did not meet the department's needs.

None.

9. Identify the primary responsible staff person(s) conducting and managing this procurement. (Appropriate delegated procurement authority and completion of mandatory training required.)

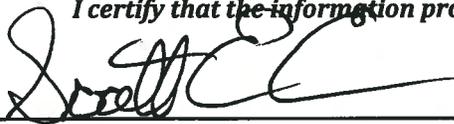
*Point of contact (Place asterisk after name of person to contact for additional information).

| Name | Division/Agency | Phone Number | E-mail Address |
|------------------|-----------------|--------------|--------------------------|
| Jenee S. Odani * | Animal Industry | 808-483-7131 | jenee.s.odani@hawaii.gov |
| Isaac Maeda | Animal Industry | 808-483-7103 | isaac.m.maeda@hawaii.gov |

Department shall ensure adherence to applicable administrative and statutory requirements, including HAR chapter 3-122, Subchapter 15, Cost or Pricing Data if required.

All requirements/approvals and internal controls for this expenditure is the responsibility of the department.

I certify that the information provided is to the best of my knowledge, true and correct.



Department Head Signature

5-17-14

Date

For Chief Procurement Officer Use Only

Date Notice Posted: 5/22/14

Submit written objection to this notice to issue a sole source contract within seven calendar days or as otherwise allowed from date notice posted to:

state.procurement.office@hawaii.gov

Chief Procurement Officer (CPO) Comments:

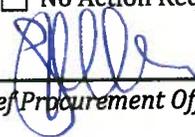
Approval is granted for the period 5/30/14 to 9/30/16, based on the department's representation that the ABI Biosystem 7500- real-time PCR system, from Life Technologies is the only instrument certified and approved by the USDA national Veterinary Services Laboratory. This approval is for the solicitation process only, HRS section 103D-310(c) and HAR section 3-122-112, shall apply (i.e. vendor is required to be compliant on the Hawaii Compliance Express) and award is required to be posted on the Awards Reporting System. Copies of the HCE certificate and awards posting are required to be documented in the procurement/contract file.

If there are any questions, please contact Bonnie Kahakui at 587-4702 or bonnie.a.kahakui@hawaii.gov.

Approved

Disapproved

No Action Required



Chief Procurement Officer Signature Date

6/10/14

6. Describe in detail the following:

- a. The unique features, characteristics, or capabilities of the goods, services, or construction (continued).

The instrument software utilizes a multicomponenting algorithm to provide precise deconvolution of multiple dye signals enabling the simultaneous detection of multiple fluorophores with reduced crosstalk. The system incorporates a heated lid assembly to heat the top half of the plate assembly to prevent reflux in the sample wells. The heated lid assembly applies sufficient sealing force to the reaction plate to ensure effective sealing and minimizes reaction mixture evaporation. The instrument has a footprint of less than 250 square inches. The instrument has the demonstrated ability to distinguish between 5,000 and 10,000 template copies with a 99.7% confidence level.

- b. How the unique features, characteristics, or capabilities of the goods, services, or construction are essential for the department (continued).

The USDA National Veterinary Services Laboratory (NVSL) and National Animal Health and Laboratory Network (NAHLN) have chosen this platform on which to develop their new protocols, and require its use in order to validate test results.