



09 OCT 28 P1:21

STATE PROCUREMENT OFFICE  
NOTICE & REQUEST FOR SOLE SOURCE

STATE PROCUREMENT OFFICE  
STATE OF HAWAII

- 1. TO: Chief Procurement Officer
- 2. FROM: Health/State Laboratories Division  
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:  
Two units, Applied Biosystems 7500 FAST Dx Real Time PCR System with notebook computers that runs the units installed with SDS software version 1.4. The ABI 7500 FAST Dx system is supplied with a User Manual, precision plate holder for tubes or strips; one-year SVC OQ/PQ and one year warranty for parts, labor, travel and one service engineer visit at 6-month after installation.

4. Vendor Name: Applied Biosystems Inc.  
Address: 850 Lincoln Center Road, Foster City, CA  
94404

5. Price:  
\$130,000.00

6. Term of Contract: From: 10/10/2009  
(mm/dd/yyyy) *10/20/09 6A 14:27* To: 10/10/2010

7. Prior Sole Source Ref No.  
08-043-C

8. Feature: The good, service, or construction has the following unique features, characteristics, or capabilities: 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 quantitation 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 homogeneous 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 device (CCD) camera, and an optical system which utilizes multiple filter sets to enable multiple wavelength detection. 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 237 square inches. The instrument has the demonstrated ability to distinguish between 5,000 and 10,000 template copies with a 99.7% confidence level.

9. Essential features. How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work: The ABI 7500 FAST is a third generation rti PCR-based platform. It is the only instrument FDA-approved for swine Flu testing. This is the only FDA-cleared PCR instrument that we can use for Swine Flu testing and the two (2) units that we currently use are insufficient for the volume of testing that we perform. One unit can test 21 samples in two and a half to three hours or up to 84 specimens in one 8-hour work day using both instruments. The State Laboratories Division has received as many as 340 specimens in one day for Swine Flu testing and with a PCR detection capacity of 84 samples daily; we lack the capacity to keep up with the demand. The addition of two units will allow the State Lab to perform additional testing with minimal operational changes during furlough days. Further, two additional units of the ABI 7500 FAST Dx will allow the SLD to enhance diagnostic capacity to monitor influenza disease activity that could rapidly affect Hawaii and the US mainland.

11. Alternate source. The following other possible sources for the good, service, or construction were investigated but do not meet our needs because: None.

12. Direct any inquiries to:

Department: Health

Contact Name/Title: Rebecca Sciulli, BT Microbiologist & Coord.

13 Phone Number:

453-5993

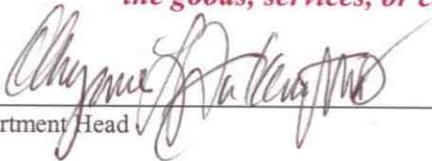
Fax Number:

453-5995

Expenditure may be processed with a purchase order:  Yes  No If no, a contract must be executed and funds certified.

Agency shall ensure adherence to applicable administrative and statutory requirements.

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.***



Department Head

OCT 27 2009

Date

Reserved for SPO Use Only

15 Date Notice Posted: 10/29/09

Submit written objections to this intent 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:

This approval is based on the DOH State Laboratory's representation that the manufacturer's equipment is essential for their work and available only from this vendor.

Pursuant to HAR 3-122, Subchapter 15, Cost and Pricing Data are required for sole source procurements expected to exceed \$100,000.

17.

APPROVED    DISAPPROVED    NO ACTION REQUIRED

Alan S. Fyfe   11/20/09  
Chief Procurement Officer   Date