

STATE OF HAWAII REQUEST FOR SOLE SOURCE

STATE PROCUREMENT OFFICE
STATE OF HAWAII

TO: Chief Procurement Officer

FROM: Department of Health/State Laboratories Division/Administration/Bioterrorism 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:

Description of goods, services, or construction:

The Smart Cycler II System is an integrated deoxyribonucleic acid (DNA)/ribonucleic acid (RNA) amplification and detection instrument. The Smart Cycler II System will be used as a rapid detection instrument to identify potential biological agents used in bioterrorism. It includes a processing block built around proprietary microprocessor-controlled cooling/heating optical reaction modules. Each of these modules performs four-color, real-time fluorometric detection. The reaction tubes are especially designed to allow rapid thermal transfer for sample amplification and the amplified products are measured fluorometrically. The Smart Cycler II System is equipped with software to monitor and record thermal and optical data. All sites can be monitored in real time, graphs of temperature, growth and melt curves can be charted as the data are collected.

Name of Vendor: Cepheid

Address:

904 Caribbean Drive
Sunnyvale, CA 94089-1302

Cost:

\$39,446.06
(lump sum)

Term of Contract:

From:

To:

Lump Sum

Prior Sole Source Reference No.:

01-63-J

The goods, services, or construction has the following unique features, characteristics, or capabilities:

The Smart Cycler II System has:

1. A minimum of 16 individually programmable and controlled sample sites that can be simultaneously run with 16 different protocols or assays. The other systems run one sample at a time.
2. Accommodates 25 ul and 100 ul volume samples and can be expanded to a maximum of 96 samples.
3. Allows multiple operators to run separate experiments on the same instruments at the same time and to start each protocol and each sample site independently.
4. Capability to excite and detect 4 spectral bands to allow 4 color real-time detection in a single sample.

REQUEST FOR SOLE SOURCE (Cont.)

How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work:

- The Smart Cycler II System has a minimum of 16 individually programmable and controlled sample sites that can simultaneously run 16 different protocols or assays. The system also accommodates 25 ul and 100 ul volume samples and can be expanded to a maximum of 96 samples. It allows multiple operators to simultaneously run separate experiments on the same instruments and to start each protocol and sample site independently.
- Another unique feature is the capability to excite and detect 4 spectral bands to allow 4 color real-time detection in a single sample. This versatility will enable the bioterrorism preparedness laboratory to process the variety and volume of specimens associated with bioterroristic incidents expeditiously.

The following other possible sources for the goods, services, or construction were investigated but do not meet our needs because: None

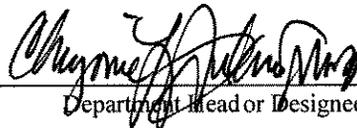
We are part of the Laboratory Response Network (LRN) organized by the Centers for Disease Control and Prevention (CDC) to provide detection and identification for suspected bioterrorism (BT) agents. CDC provides LRN Laboratories with primers and probes used in detection of various BT agents. Validation of assays to detect BT agents developed by the CDC-BT Rapid Response and Advance Technology Laboratory (BRRAT) was performed using nucleic acid-based platforms that use the Smart Cycler with the participation of LRN Laboratories nationwide. The validation process ensures reliability, reproducibility, and accuracy of test protocols, reagents, and instrumentation. Therefore we use only instruments that CDC and LRN laboratories have tested to ensure uniformity and standardization of test results and to conduct reliable & reproducible

detection assays.

Direct questions to: Rebecca H. Sciulli

Phone: (808) 453-5993 Fax: (808) 453-5995

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 or Designee

SEP 14 2005

Date

Title (If other than Department Head)

Chief Procurement Officer's comments:

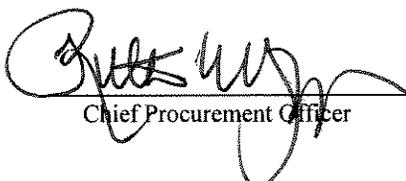
This approval is based on the DOH's representation that this equipment has been recommended by the CDC to provide uniformity and standardization of test results between agencies.

Please ensure adherence to applicable administrative and statutory requirements.

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

APPROVED

DISAPPROVED



Chief Procurement Officer

9/22/05
Date