



'06 JUN 30 A7:35

STATE PROCUREMENT OFFICE NOTICE & REQUEST FOR SOLE SOURCE

'06 JUN 29 P3:08

- 1. TO: Chief Procurement Officer
- 2. FROM: Health/State Laboratories Division/Bioterrorism Response Lab
Department/Division/Agency

ADMINISTRATION
STATE PROCUREMENT OFFICE
STATE OF HAWAII

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:
 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. The Smart Cycler II System described in this request will consist of eight (8) Smart Cycler processing blocks with 16 independent reaction sites per block, each with 4-color optical excitation and detection, software, tube racks, cooling blocks, mini-centrifuges, 25 ul reaction tubes, and extended service warranty.

4. Vendor Name: Cepheid Address: 904 Caribbean Drive Sunnyvale, CA 94089-1302	5. Price: <u>\$227,000.00</u>
6. Term of Contract: (mm/dd/yyyy) From: <u>upon CPO Approval</u> To: <u>1-year period</u>	7. Prior Sole Source Ref No. <u>01-63-J, 04-60-M</u>

8. Feature: The good, service, 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. With eight thermal blocks, we have increased our testing capacity to perform human and avian influenza subtyping runs to 128 samples per run time.
3. Accommodates 25 ul and 100 ul volume samples and can be expanded to a maximum of 96 samples.
4. 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.
5. Capability to excite and detect 4 spectral bands to allow 4 color real-time detection in a single sample.

9. Essential features. 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 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 a single sample. This versatility will enable the bioterrorism preparedness laboratory to process the variety and volume of specimens associated with bioterroristic incidents expeditiously. Further, this feature allows us to perform multiplex assays and use Analyte-Specific Reagents that will enhance the SLD's testing capability for emerging infectious disease agents, particularly avian influenza.

11. Alternate source. The following other possible sources for the good, service, 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 using 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 and reproducible detection assays.

12. Direct any inquiries to:

Department: Rebecca H. Sciulli
Contact Name/Title: Bioterrorism Microbiologist & Coordinator

13 Phone Number:
(808) 453-5993
Fax Number:
(808) 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

JUL 28 2006
Date

Reserved for SPO Use Only

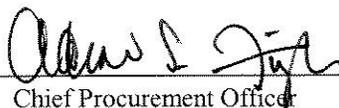
15 Date Notice Posted: 6/30/06

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's representation that this equipment possesses 5 unique features that are not available on other manufacturer's equipment and is critical to perform tests to detect gene targets from various microbial pathogens.

17. APPROVED DISAPPROVED


Chief Procurement Officer

7/7/06
Date