

STATE OF HAWAII  
 REQUEST FOR SOLE SOURCE

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TO: Chief Procurement Officer

STATE PROCUREMENT OFFICE  
 STATE OF HAWAII

FROM: Health/State Laboratories/Environmental Health Analytical Services Branch  
 (Department/Division/Agency) Chemical Terrorism

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:  
 This sole source justification is for the purchase of a PerkinElmer HPLC with autosampler and injector (CDC Speciation Package) that will interface with an existing PerkinElmer ELAN DRCII ICP-MS. Combining these two analytical systems provides important information about the toxicity of the sample that is not available by other analyses. The PerkinElmer software is fully integrated to provide control of all instruments, components, and data handling in these combined systems.

Name of Vendor:	PerkinElmer Life and Analytical Sciences	Cost:	\$65,000
Address:	710 Bridgeport Avenue Shelton, CT 06484-4000		

Term of Contract:	From:	To:	Prior Sole Source Reference No:

The goods, services, or construction has the following unique features, characteristics, or capabilities:  
 The PerkinElmer HPLC system will allow for chromatographic separation of the sample before going into the existing Perkin Elmer ICP-MS. Purchasing the HPLC system from the same manufacturer will provide complete computer software package to control all of the instruments, components and data handling in this complex automated system instead of having two independent computer controlled systems. Most importantly, the data from the ICP-MS will be combined with the HPLC data to provide integrated mass spectra chromatograms for quantitation of the compounds in the sample.

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

SEE ATTACHED SHEET

The following other possible sources for the goods, services, or construction were investigated but do not meet our needs because:

There are no completely compatible systems made by other manufacturers.  
Agilent HPLC Software will not work with the PerkinElmer ICP-MS.  
Dionex HPLC Software will not work with the PerkinElmer ICP-MS.  
Metrohm HPLC Software will not work with the PerkinElmer ICP-MS.  
Shimadzu HPLC Software will not work with the PerkinElmer ICP-MS.  
Waters HPLC Software will not work with the PerkinElmer ICP-MS.

Direct Questions To: Gerald Pitz

Phone: (808)453-6677

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.

*Chrymna J. Fulkerson, mo*  
Department/Agency Head

APR 11 2005

Date

Title (If other than Department/Agency Head)

Chief Procurement Officer's Comments:

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  Denied

*[Signature]*  
Chief Procurement Officer  
4/29/05  
Date

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

The Centers of Disease Control recommends and supports the PerkinElmer HPLC-ELAN DRCII ICP-MS system. The CDC methods are developed on this type of a system and CDC will provide advice for operation and troubleshooting only for this system. Purchasing a HPLC system from the same manufacturer who made the ICP-MS will provide complete computer software package to control all of the instruments in this complex automated system instead of having two independent computer controlled systems. With a complete PerkinElmer system, the analytical parameters for the whole system are displayed on the screen during a run to provide real-time information assisting in method development, troubleshooting, and monitoring the analyses. Most importantly, the data from the ICP-MS will be combined with the HPLC data to provide integrated mass spectra chromatograms for quantitation of the compounds in the sample. **Trying to merge mass spectra data into another manufacturers chromatography software will not work.** Even with a simple instrument interface, a warranty issue can arise with two different manufacturers saying that the other one is the cause of the communication problem.