

State of Maine Procurement Justification Form

This form must accompany all contract requests and sole source requisitions (RQS) over \$5,000 submitted to the Division of Procurement Services.

INSTRUCTIONS: Please provide the requested information in the white spaces below. All responses (except signatures) must be typed; no hand-written forms will be accepted. See the guidance document posted with this form on the Division of Procurement Services website (Forms page) for additional instructions.

PART I: OVERVIEW				
Department Office/Division/Program:		DHHS/Maine CDC/HETL		
Department Contract Administrator or Grant Coordinator:		Chris Moiles		
(If applicable) Department Reference #:		CD0-22-54CAP20		
Amount: (Contract/Amendment/Grant)	\$57,083	Advantage CT / RQS #:	Draft RQS 20210720*58	
CONTRACT	Proposed Start Date:	7/20/21	Proposed End Date:	10/18/21
AMENDMENT	Original Start Date:		Effective Date:	
	Previous End Date:		New End Date:	
GRANT	Project Start Date:		Grant Start Date:	
	Project End Date:		Grant End Date:	
Vendor/Provider/Grantee Name, City, State:		PerkinElmer Health Sciences Inc VC1000072345 710 Bridgeport Avenue Shelton, CT 06484-4794		
Brief Description of Goods/Services/Grant:		Purchase of a new PinAAcle 900Z instrument/equipment for the testing of lead levels in whole blood of both children and adults.		

PART II: JUSTIFICATION FOR VENDOR SELECTION			
Mark an "X" before the justification(s) that applies to this request. (Check all that apply.)			
	A. Competitive Process		G. Grant
	B. Amendment		H. State Statute/Agency Directed
X	C. Single Source/Unique Vendor		I. Federal Agency Directed
	D. Proprietary/Copyright/Patents		J. Willing and Qualified
X	E. Emergency		K. Client Choice
	F. University Cooperative Project		L. Other Authorization

PART III: SUPPLEMENTAL INFORMATION
Please respond to ALL of the following:
1. Provide a more detailed description and explain the need for the goods, services or grant to supplement the response in Part I.

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PART III: SUPPLEMENTAL INFORMATION

The Blood Lead Program at the Health & Environmental Testing Laboratory (HETL) plays a vital role in the campaign to eliminate blood lead poisoning in children. The results of our testing allow physicians and public health works to make timely and crucial decisions for children with lead poisoning. In addition to testing individual specimens, we collect patient demographic information to help facilitate an epidemiological mapping and statistical analysis program that we share with the Center for Disease Control in Atlanta, Georgia. Maine and federal laws require tests at 1 and 2 years for children covered by MaineCare, see Maine State Law Title 22: HEALTH AND WELFARE, Subtitle 2: HEALTH, Part 3: PUBLIC HEALTH, Chapter 252: LEAD POISONING CONTROL ACT, §1319-D. Laboratory testing states: "1. Laboratories. Except as provided in subsection 2, a blood sample taken from a child by a health care provider or laboratory to test for blood lead level must be sent to the Health and Environmental Testing Laboratory for analysis."

The HETL uses the PerkinElmer PinAAcle 900Z atomic absorption graphite furnace to determine the level of lead in a child's blood.

Please see attached memo describing the need for an emergency purchase.

2. Provide a brief justification for the selected vendor to supplement the response in Part II.

While there are other graphite furnace instruments on the market, the PerkinElmer PinAAcle 900Z is the preferred instrument. In comparing the 900Z to other graphite furnaces, the 900Z was found to be superior due to the following specifications that the others didn't have:

1. The 900Z has longitudinal Zeeman background correction. This enables the machine to eliminate polarizer effects and doubles light throughput
2. The development of the standardized method for blood lead testing was done at the New York Department of Health using a PerkinElmer Zeeman
3. The 900Z has a transversely heated furnace, which allows the tube temperature to be consistent across the tube
4. The 900Z has STPF tube design, which enables all elements to be analyzed using one type of tube., STPF provides the best furnace performance by delaying atomization.
5. The 900Z has true temperature control of the graphite tube. As the tube ages, its resistance changes, the Ascom supply compensates automatically, which allows more repeatable performance
6. The 900Z has a solid state detector, which allows for better quantum efficiency
7. The 900Z has electrodeless discharge lamps, which lets in 2x more light, allowing for lower detection limits. Lower detection limits are crucial to blood lead testing because the federal CDC has been lowering the acceptable level of lead in child's blood.

In addition to the reasons listed above, a second 900Z is preferred because:

1. HETL clinical microbiology already uses the specific instrument. For quality assurance purposes, the CLIA technical supervisor will only allow this machine to be used for blood lead testing. CLIA Law states in Section §493.1451 Standard: Technical supervisor responsibilities. (b) The technical supervisor is responsible for— (1) Selection of the test methodology that is appropriate for the clinical use of the test results; (2) Verification of the test procedures performed and establishment of the laboratory's test performance characteristics, including the precision and accuracy of each test and test system;

3. Explain how the negotiated costs or rates are fair and reasonable; or how the funding was allocated to grantee.

HETL has asked for a not-for-profit public health laboratory discount.

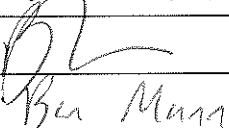
4. Describe the plan for future competition for the goods or services.

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PART III: SUPPLEMENTAL INFORMATION

The Department does not intend to competitively bid this service.

PART IV: APPROVALS

Signature of requesting Department's Commissioner (or designee):	<i>By signing below, I signify that I approve of this procurement request.</i>		
			
Printed Name:	<i>Ben Mann</i>	Date:	<i>9/27/21</i>
Signature of DAFS Procurement Official:	DocuSigned by: <i>Justin Franzose</i>		
Printed Name:	AEEED9C7B3A8044E... Justin Franzose	Date:	9/28/2021