

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



ITEM  
3.46  
(ID # 6342)

**MEETING DATE:**

Tuesday, February 27, 2018

**FROM :** RUHS-PUBLIC HEALTH:

**SUBJECT:** RIVERSIDE UNIVERSITY HEALTH SYSTEM – PUBLIC HEALTH: Approve the budget adjustment and the capital asset purchase of the Applied Biosystems 7500 Fast DX Instrument, without seeking competitive bids, to augment the surge capacity for real time polymerase chain reaction (PCR) testing. [All Districts] [\$75,000 - 98% Federal and 2% RUHS-PH Funded] (4/5 Vote)

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve the capital asset purchase of the Applied Biosystems 7500 Fast DX Instrument to augment Riverside University Health System-Public Health (RUHS-PH) surge capacity for real time PCR testing; and
2. Authorize the Purchasing Agent to purchase the Applied Biosystems 7500 Fast DX Instrument for real time PCR testing from Fisher HealthCare (Thermo Fisher Scientific) not to exceed \$75,000 without seeking competitive bids; and
3. Authorize and direct the Auditor-Controller to make a budget adjustment as specified in schedule A, attached.

**ACTION:** (4/5 Vote Required) 4/5 Vote Required

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**MINUTES OF THE BOARD OF SUPERVISORS**

On motion of Supervisor Jeffries, seconded by Supervisor Ashley and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Washington, Perez and Ashley  
Nays: None  
Absent: None  
Date: February 27, 2018  
xc: RUHS-Public Health, Purchasing, Auditor

Kecia Harper-Ihem  
Clerk of the Board

By:   
Deputy

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<b>FINANCIAL DATA</b>	<b>Current Fiscal Year:</b>	<b>Next Fiscal Year:</b>	<b>Total Cost:</b>	<b>Ongoing Cost</b>
<b>COST</b>	\$ 75,000	\$ 0	\$ 75,000	\$ 0
<b>NET COUNTY COST</b>	\$ 0	\$ 0	\$ 0	\$ 0
<b>SOURCE OF FUNDS:</b> 98% Federal and 2% RUHS-PH Funded			<b>Budget Adjustment:</b> YES	
			<b>For Fiscal Year:</b> 17/18	

**C.E.O. RECOMMENDATION:** Approve

**BACKGROUND:**

**Summary**

RUHS – PH seeks to assess and address emerging public health needs, deliver medical services efficiently and prepare and respond to public emergencies. The current instrumentation in the Public Health Laboratory (PHL) used for real time polymerase chain reaction (PCR) testing is nearly 10 years old and utilizes older technology and software. Additionally, it is not validated for the CDC Zika Triplex assay. RUHS – PH is requesting approval to purchase an Applied Biosystems 7500 Dx Real-Time PCR instrument.

The new Applied Biosystems 7500 Fast DX (ABI 7500) will augment the RUHS- Public Health Laboratory's (PHL) surge capacity for real time PCR testing, including Zika and influenza. This equipment will alleviate an urgent gap in the laboratory with the Zika Virus testing. The Zika Triplex PCR assay released by the CDC is validated for the ABI 7500. The ABI 7500 will also enable the PHL to test utilizing Emergency use Authorization protocols provided by the Centers for Disease Control and Prevention.

RUHS- Public Health laboratory funds will also be used for the annual maintenance of the ABI 7500.

**Impact on Residents and Businesses**

These funds will allow the RUHS- Public Health Laboratory to build its capacity and capability for Zika testing.

**Additional Fiscal Information**

The Emergency Management Department (EMD) receives PHEP grant funding from the State of California as a pass through from the Federal Government to support emergency preparedness activities. EMD received the Board of Supervisors approval to purchase one chemiluminescent microarray analyzer for real time polymerase chain reaction testing for RUHS- Public Health for emergency preparedness activities (refer to ID # 3643).

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**ATTACHMENTS:**

**Budget Adjustment**

Budget Adjustment is required in the amount of \$75,000 as specified on Schedule A attached.

Schedule A

Riverside University Health System – Public Health  
Budget Adjustment  
FY 2017/2018


INCREASE IN APPROPRIATIONS:

10000-4200100000-546160	Equipment Other	<u>\$75,000</u>
TOTAL INCREASE IN APPROPRIATIONS		\$75,000

INCREASE IN ESTIMATED REVENUE:

10000-4200100000-778200	Interfnd-Miscellaneous	<u>\$75,000</u>
TOTAL ESTIMATED REVENUE		\$75,000

  
Melissa Noone, Associate Management Analyst 2/22/2018

 **Riverside  
University**  
**HEALTH SYSTEM**  
Public Health

Date: December 1, 2017.  
From: Kim Saruwatari, Director of Riverside University Health System – Public Health  
To: Board of Supervisors  
Via: Purchasing Agent  
Subject: Sole Source Procurement; Request for Applied Biosystems 7500 Fast DX Instrument

The below information is provided in support of my Department requesting approval for a sole source.

1. **Supplier being requested:** Fisher HealthCare
2. **Vendor ID:** 0000000420
3. **Supply/Service being requested:** Purchase of Applied Biosystems 7500 FAST DX Instrument.
4. **Alternative suppliers that can or might be able to provide supply/service and extent of market search conducted:** None. Thermo Fisher Scientific is the sole manufacturer and vendor of the Applied Biosystems 7500 Dx Real-Time PCR instrument.
5. **Unique features of the supply/service being requested from this supplier, which no alternative supplier can provide:** The new ABI 7500 will augment the RUHS- Public Health Laboratory's (PHL) surge capacity for real time PCR testing, including Zika and influenza. This equipment will alleviate an urgent gap in the laboratory with the Zika Virus testing. The Zika Triplex PCR assay released by the CDC is validated for the ABI 7500. The ABI 7500 is also the primary instrument used by the State Viral and Rickettsial Disease Laboratory (VRDL) for all molecular assays, including Measles, Mumps, and Influenza. It is also the sole PCR instrument used for all bioterrorism testing, including Ebola.

**Reasons why my department requires these unique features and what benefit will accrue to the county:** The current instrumentation in the PHL used for real time PCR testing is nearly 10 years old and utilizes older technology and software. Additionally, it is not validated for the CDC Zika Triplex assay. By upgrading to the new Applied Biosystems 7500 Dx Real-Time PCR instrument, PHL will be able to test for Zika and other emerging infectious diseases utilizing Emergency Use Authorization protocols provided by the CDC.

Form # 116-333 rev 7/23/15

Kim Saruwatari, M.P.H., Director

Cameron Kaiser, M.D., Public Health Officer

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