



**Contra
Costa
County**

To: Board of Supervisors
From: David O. Livingston, Sheriff-Coroner
Date: November 3, 2020

Subject: Purchase Order - Shimadzu Scientific Instruments - LC/MS-MS System, training, consumables

RECOMMENDATION(S):

APPROVE and AUTHORIZE the Purchasing Agent to execute, on behalf of the Sheriff-Coroner, a purchase order with Shimadzu Scientific Instruments in an amount not to exceed \$410,000 to purchase a Shimadzu LCMS-8050 Triple Quadrupole Liquid Chromatograph Tandem Mass Spectrometry (LC-MS/MS) System, consumables and training for the Office of the Sheriff, Forensic Services Division.

FISCAL IMPACT:

100% Federal Funds. Zero Net County Cost. Funded through FY 20/21 OTS (Office of Traffic Safety) Grant

BACKGROUND:

The Contra Costa County, Office of the Sheriff, Forensic Services Division (FSD) operates an ISO 17025 ANAB Accredited Crime Laboratory able to provide County-wide Forensic Toxicological testing services.

The FSD's Toxicology Unit is responsible for the analysis of blood and urine evidence for driving under the influence of drugs (DUID) cases. The Office of Traffic Safety (OTS) grant funds are needed to ensure efficient processing and analysis of DUID-related offenses. The

☒ APPROVE

☐ OTHER

☒ RECOMMENDATION OF CNTY

☐ RECOMMENDATION OF BOARD

ADMINISTRATOR

COMMITTEE

Action of Board On: **11/03/2020** ☒ APPROVED AS RECOMMENDED ☐ OTHER

Clerks Notes:

VOTE OF SUPERVISORS

AYE: John Gioia, District I Supervisor

Candace Andersen, District II Supervisor

Diane Burgis, District III Supervisor

Karen Mitchoff, District IV Supervisor

Federal D. Glover, District V Supervisor

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Supervisors on the date shown.

ATTESTED: November 3, 2020

David Twa, County Administrator and Clerk of the Board of Supervisors

By: Laura Cassell, Deputy

Contact: (925)655-0023

OTS Grant funds will be used to purchase

BACKGROUND: (CONT'D)

a Shimadzu LCMS-8050 Triple Quadrupole Liquid Chromatograph Tandem Mass Spectrometry (LC-MS/MS) System, consumables and training. The LC-MS/MS System will enable the FSD to provide comprehensive information on driving under the influence of drugs (DUID) cases without the need to send evidence to an outside testing laboratory. The instrument will have the ability to rapidly determine and quantitate difficult to detect impairing substances such as designer benzodiazepines, fentanyl analogs and synthetic cannabinoids. The LC-MS/MS System will allow the FSD to meet current and future DUID guidelines for the drug assays as required by NHTSA and the National Safety Council. The purchase of this System will reduce the turnaround times and backlog in the Toxicology Unit of the FSD.

Shimadzu has been selected because the vendor meets the “Buy America Act” guidelines. The LC-MS/MS System is manufactured in the United States, which is a requirement of the Office of Traffic Safety Grant.

On January 21, 2020 the CCC Board of Supervisors adopted Resolution No 2020/16, authorizing the Sheriff-Coroner to apply for and accept a grant from the California Office of Traffic Safety to purchase the LC/MS-MS instrument to include consumables and training.

CONSEQUENCE OF NEGATIVE ACTION:

A decision not to purchase the Shimadzu LCMS will increase the Toxicology backlog, increase the turnaround time for DUID cases and contribute to delays in criminal prosecutions.