

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

SOLE SOURCE CERTIFICATION

Requisition Number: 0000229091 Bid # _____

In accordance with authority granted under Florida A & M University Regulation 6.005(10) (b), the following documentation is submitted in support of a request to purchase the items(s) listed below that are only available from one vendor.

Vendor: Teledyne Instruments, Inc.

Account Number: 005961-CaRe2-REC Cost \$ 88,021.20

Item(s): Chrominstalsales-Installation for Teldyne ISCO CombiFlash products per segment. Segment quantity is based on product and location of installation; 250000129-ESI Ion source for Base, S and L Mass Spec options; 685237083-Purlon Mass Spectrometer "S" with Fluid Interface for operation with CombiFlash NEXTGEN 300+, Rf Plus & Lumen, EZ Prep & AccqPrep. Mass range from 10-1200 Dalton, Positive or negative Polarity (Quote was attached; Quote # SF00012908 2022-06-16)

Justification: (Describe efforts made, vendors contacted, prices quoted, specifications required, availability, compatibility,

decision/reason for selection). See attached for justification. This item is compatible with existing research equipment!!

FAMU does not have a reliable MS analytical instrument of this type. To satisfy our need, we seek assistance from a neighboring university, Florida State University (FSU), about three miles away. Although very helpful, FSU faculty and staff are very busy meeting the needs of their own investigators. It is often uncomfortable and even uneasy for FSU to accommodate FAMU needs all the time. Therefore, the need to have this equipment for FAMU investigators is essential. The Teledyne ISCO Purlon is a compact, single-quadropole mass analyzer optimized for chromatography purification with an atmospheric pressure interface. Purlon provides highly reliable molecular weight information about target compounds and other adducts during the purification run—or by direct-injection analysis prior to purification—in positive ion mode via proton attachment (M+H)+ and negative ion mode via proton removal. Co-eluting peaks are easily isolated by mass selectivity based on the target analyte's mass-to-charge ratio (m/z). With electrospray ionization (ESI) and atmospheric pressure chemical ionization (APCI) capabilities, Purlon delivers a rapid and reliable confirmation of compounds in normal and reverse-phase applications. It will detect small and large molecules with an extended mass range from 10 Da to 2000 Da. The Purlon Mass Spectrometer can interface with CombiFlash EZ Prep to add mass-directed fractionation to the purification. After separating substances, further tests are usually carried out using GC-MS and/or LC-MS to confirm the separation and the products. This type of analysis requires additional time and effort, as the chromatographic analysis has to be repeated. With the use of the Purlon, this additional work is no longer necessary. Significantly graduate students from CARE 2 Program will get hands -on experience to separate the products with mass -directed fractions from the mixture for their drug discovery research. Highly accessible and easy-to-use, Purlon is ideal for chemists wanting high-quality mass spectral data without the need for specialized training and will benefit tremendously from acquiring this equipment to conduct their research. Teledyne ISCO, a business unit of Teledyne Instruments, Inc. is the sole manufacturer of Teledyne ISCO chromatography products. These items include, but are not limited to, CombiFlash®, ACCQPrep®, RediSep®, Purlon®, and related accessory modules, as well as, the on-board operational and management software.

I, the undersigned, certify the above to be true and correct to the best of my knowledge and belief.

Signature: Kinfe Ken Redda Title: Prof Emeritus & REC Co-Leader Date: 07-12-2022

I, the undersigned designee of the Florida A & M University Purchasing Office, as delegated in Regulation 6.005(10) (b), (or a designee delegated the authority as described in, hereby concur { } do not concur { } with the above justification and recommend { } do not recommend { } the procurement of the above as a sole source. If applicable, the reason(s) for disapproval are:

Mattie Hood Digitally signed by Mattie Hood DN: cn=Mattie Hood, o=FAMU, ou=Procurement Services, email=mattie.hood@famuedu, c=US Date: 2022.08.04 15:55:46 -0400 Director of Procurement Services Date

I, the undersigned designee, acting for and on behalf of the University President pursuant to the delegation authority approve { }, disapprove { } the procurement of the above as a sole source. If applicable, the reason(s) for disapproval are:

Signature: [Signature] Date: 8/5/2022 VP, Administrative and Financial Services Date

POSTED FROM 8-9-22 12:00 PM TO 8-12-22 12:00 PM DATE TIME DATE TIME

FAILURE TO FILE A PROTEST WITHIN THE TIME PRESCRIBED IN REGULATION 6.005(9) (K), SHALL CONSTITUTE A WAIVER OF THE RIGHT TO PROCEEDINGS.



Federal ID No: 95-4888283

Submit Orders To:
 Teledyne Instruments, Inc., dba: Teledyne ISCO
 Email: isco.orders@teledyne.com
 Phone: 800.228.4373
 Fax: 402.465.3022

Customer Information

Account Name	Florida A&M University	Contact Name	KINFE REDDA
Ship To	1415 South Martin Luther King Junior Blvd 310-New Pharmacy Bld Phase 1 COLLEGE OF PHARMACY Tallahassee, FL 32307 United States	Email	kinfe.redda@famu.edu
Destination	Tallahassee, FL United States	Phone	(850) 561-2200

Quote Information

Quote Name	Florida A&M University -- REDDA -- -- 2022-06-16 -- United States -- SF00012908	Prepared By	Alan Barber
Quote ID (custom)	SF00012908 2022-06-16 14:53:22Z	Email	alan.barber@teledyne.com
Expiration Date	9/30/2022	Approval Status	Rejected
Delivery Terms:	FOB Origin S&H Added (Domestic)		

Quote Line Items

Quantity	Product Code	Product Description	List Price	Subtotal	Discount	Total Price
6.00	CHROMINSTALSALSALES	Installation for Teledyne ISCO CombiFlash Products, \$525.00 per segment. Segment quantity is based on product and location of installation.	USD 500.00	USD 3,000.00		USD 3,000.00
1.00	250000129	ESI Ion Source for Base, S and L Mass Spec options	USD 7,901.00	USD 7,901.00	10.00%	USD 7,110.90
1.00	685237083	Purlon Mass Spectrometer "S" with Fluid Interface for operation with CombiFlash NEXTGEN 300 or 300+, Rf Plus & Lumen, EZ Prep & AccqPrep. Mass range from 10-1200 Dalton, Positive or negative Polarity Probe must be ordered separately If being added to an Rf Plus, Lumen or EZ Prep manufactured in 2016 or before, review part #605234310 for upgrade requirements.	USD 86,567.00	USD 86,567.00	10.00%	USD 77,910.30

Subtotal	USD 97,468.00
Discount	9.69%
Total Price	USD 88,021.20

Seller's Offer, and any order issued by Buyer to Seller for the goods and/or services specified herein, is strictly limited to Seller's General Terms and Conditions of Sale, which can be found at the applicable Teledyne company internet website listed below. Teledyne ISCO, Teledyne Tekmar, Teledyne Leeman Labs, Teledyne Hanson, Teledyne SSI and Teledyne Cetac are registered business names of Teledyne Instruments, Inc., a subsidiary of Teledyne Technologies Incorporated. Teledyne Ethics Line 18776666968

These items are controlled by the U.S. government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or enduser(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or enduser(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Teledyne ISCO, a business unit of Teledyne Instruments, Inc.
 12497 Collection Center Drive
 Chicago, IL 60693
 www.teledyneisco.com
 800.228.4373 | 402.464.0231 | Fax: 402.465.3022



Federal ID No: 95-4888283

Submit Orders To:
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Email: isco.orders@teledyne.com
Phone: 800.228.4373
Fax: 402.465.3022

Shipping	USD 855.00
Grand Total	USD 88,876.20

Additional Notes

Dr. Kinfe K. Redda
Minimum \$500 Order

****Please note: Sales Tax and Shipping & Handling are added at the time of order if applicable. An estimate of Shipping & Handling charge is given on the quote as a courtesy only. Shipping outside the United States Territories (AK, HI, GU, VI, PR, AS, Northern Marianas) are subject to additional charges. VAT not included.*

Unless Serial Number is specified, availability of Preowned Inventory is ascertained upon receipt of valid PO.

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June 22, 2022

Attention: To Whom It May Concern

Subject: Sole Source Letter

This is to certify that Teledyne ISCO, a business unit of Teledyne Instruments, Inc. is the sole manufacturer of Teledyne ISCO chromatography products. These items include, but are not limited to, CombiFlash[®], ACCQPrep[®], RediSep[®], Purlon[®], and related accessory modules, as well as, the on-board operational and management software.

Equipment and consumables may be obtained directly from Teledyne ISCO. To locate your representative, please use the "Find Your Rep" function located on our web site www.teledyneisco.com.

Respectfully,

Patricia Bishop

Patricia Bishop
Contracts Specialist Teledyne ISCO
A business unit of Teledyne Instruments, Inc.

Budget Justification for the Purchase of an Equipment

Teledyne CombiFlash Purlon(S) Mass Spectrometer will be used to train our Graduate and Undergraduate trainees in Modern Day Drug Discovery which starts by using In Silico methods to find a drug molecule that attaches itself to a target protein and binds and thus revealing a likely drug target. In the area of drug discovery, all investigators (faculty and students) will be engaged in research activities dealing with drug design and drug synthesis. Substances of drug interest must be 99.9% or pure before testing them in cell lines representative of disease and non-disease states. Thus, there is a dire need for FAMU medicinal chemists, their ESI, Postdoctoral, Post-bacs, Graduate, and undergraduate students to be introduced, early on to gold standard drug purification techniques. FAMU does not have Mass Spectrophotometer with the sensitivity of the Purlon(S) Mass Spec. Hence, there is a dire need for in-house equipment that assists in the separation and purification processes. This is a key step in the high throughput screening (HTS) procedures in our Drug Discovery process.

The Purlon Mass Spectrometer is designed to provide highly affordable mass-directed fractionation to labs performing flash and prep purifications on Teledyne ISCO systems. The Purlon interfaces seamlessly with the CombiFlash® NextGen, CombiFlash® EZ Prep, and ACCQPrep® to instantly verify the identity of target compounds. Acquisition of this equipment will enhance FAMU's ability to carry out effective **High throughput screening (HTS)** activities. HTS at our institution involves the testing of hundreds of synthesized analogs in our research laboratories for their biological activity at the molecular level. In its most common form, HTS is an experimental process in which 10^3 – 10^6 small molecule compounds of known structure are screened. HTS is commonly used to identify compounds (called hits) with pharmacological or biological activity. These are used as starting points for medicinal chemical optimization during pharmacological probe or drug discovery and development. **Teledyne CombiFlash Purlon(S) Mass Spectrometer** constitutes an important part of the process in synthesis, separation, and purification of the analogs. The HTS activities provide excellent opportunities for training undergraduate and graduate students, Postbacs, postdoctoral fellows and ESIs who are interested in drug discovery and pharmacological screening protocols, of particular interest to CaRE² - REC training activities.

We are therefore requesting funds to purchase the Purlon(S) Mass Spectrometer as a much-needed addition to further modernize FAMU's Drug Discovery process for our trainees, ESI, and Medicinal Chemistry Faculty. **This sole source Teledyne CombiFlash Purlon Mass Spectrometer is discounted to \$**

USERS:

Kinfe Ken Redda, PhD, Professor of Medicinal Chemistry, CoPPS, IPH
 Renee Reams, PhD, Professor of Medicinal Chemistry/Biochemistry, CoPPS, IPH
 Elizabeth Mazzio, PhD, Research Assistant Professor of Pharmacology, CoPPS, IPH
 Ramesh Badisa, Research Associate in Pharmacology, CoPPS, IPH
 Nazarius Lamango, PhD, Professor of Biochemistry, CoPPS, IPH
 Edward Agyare, PhD, Associate Professor of Pharmaceutics, CoPPS, IPH
 Xue Zhu, PhD, Research Associate, CoPPS, IPH
 Seth Ablordeppey, PhD, Professor of Medicinal Chemistry, CoPPS, IPH
 John Cooperwood, PhD, Professor of Medicinal Chemistry, CoPPS, IPH
 Tiffany Ardley, PhD, Associate Professor of Medicinal Chemistry, CoPPS, IPH
 Bereket Mochona, PhD, Associate Professor of Medicinal Chemistry, CST (Chemistry)
 Suresh Eyunni, PhD, Research Associate/Instructor, CST (Chemistry)
 Madhavi Gangapuram, PhD, Research Associate, CoPPS, IPH
FAMU Graduate Students involved in drug discovery (e.g., Shasline Gedeon, PhD student, CaRE² - REC trainee)