



MISSISSIPPI STATE DEPARTMENT OF HEALTH

**REQUEST FOR QUOTES-FORMAL (RFQF)
REVERSE AUCTION
RFx # 3140001668**

The Mississippi State Department of Health will purchase one (1) Liquid Chromatography Tandem Mass Spectrometer (LC-MS/MS) Triple Quadrupole instrument and invites your participation in accordance with the terms and conditions of this RFQF Reverse Auction. Once award of the bid has been made, the terms and conditions as set forth in this RFQF Reverse Auction shall become a contract binding on the successful bidder. Any documents submitted to satisfy a requirement of this request and any assurances made by the successful bidder in satisfaction of this request shall become a part of the agreement between the Mississippi State Department of Health and the successful bidder. The Mississippi State Department of Health shall have the right to rely upon the documents and assurances submitted by the successful bidder.

This RFQF Reverse Auction is a one-time instrument purchase for a LC-MS/MS. The successful bidder must meet all of the attached instrument specifications.

E-Verify Compliance - Contractor/Seller represent and warrants that it will ensure its compliance with the Mississippi Employment Protection Act (Senate Bill 2988 from the 2008 Regular Legislative Session) and will register and participate in the status verification system for all newly hired employees. The term "employee" as used herein means any person that is hired to perform work within the State of Mississippi. As used herein "status verification system" means the Illegal Immigration Reform and Immigration Responsibility Act of 1996 that is operated by the United States Department of Homeland Security, also known as the E-Verify Program, or any other successor electronic verification system replacing the E-Verify Program. Contractor/Seller agrees to maintain records of such compliance and , upon request of the State, to provide a copy of each such verification to the State. Contractor/Seller further represents and warrants that any person assigned to perform services hereunder meets the employment eligibility requirements of all immigration laws of the State of Mississippi. Contractor/Seller understands and agrees that any breach of these warranties may subject Contract/Seller to the following: (a) termination of this Agreement and Ineligibility for any state or public contract in Mississippi for up to three (3) years, with notice of such (b) the loss of any license, permit, certification or other document granted to Contractor/Seller by an agency, department or governmental entity for the right to do business in Mississippi for up to one (1) year, or (c) both.

In the event of such termination/cancellation, Contractor/Seller would also be liable for any additional costs incurred by the State due to contract cancellation or loss of license or permit.

E-Payments – Payments by the Mississippi State Department of Health shall be made and remittance information provided electronically as directed by the State of Mississippi. These payments shall be deposited into the bank account of the Contractor's choice. The state may, at its sole discretion, require the Contractor to submit invoices and supporting documentation electronically at any time during the terms of this agreement. Contractor understands and agrees that the State is exempt from the payment of taxes. All payments shall be in United States currency.

Applicable Law – This purchase(s) shall be governed by and construed in accordance with the laws of the State of Mississippi, excluding its conflicts of law provisions, and any litigation with respect thereto shall be brought in the courts of the State of Mississippi. The vendor shall comply with applicable federal, state and local laws and regulations.

Payment Terms – MS Code Section 31-7-305(3) allows a state entity to pay invoices within 45 days without penalty.

Bid terms are welcome, however, they will not be used as criteria for awarding the bid.

Items will be purchased from the RFQF Reverse Auction by the Mississippi State Department of Health in accordance with the terms and conditions set out in this request and the attachments hereto.

State and Federal law requires that the Mississippi State Department of Health not be liable should federal or state funds not be available to make the purchases. Should federal or state funds be reduced or eliminated, the State of Mississippi, the Mississippi State Department of Health, its agents, servants and employees would have no obligation to purchase any quantity of goods or services covered by this request for bid. The bidder agrees to hold the above enumerated entities and individuals harmless in that event.

The bidder/prospective vendor must further give assurances in writing that it can provide and deliver the items as ordered on a schedule agreeable to the Mississippi State Department of Health. The contractor shall not assign, sell or subcontract in whole or in part, its rights or obligations under this agreement without prior written consent of the MSDH. Any attempt assignment or sale of the contract without said consent shall be void and of no-effect.

The MSDH reserves the right to refuse any items not meeting the specifications of this bid.

Prospective bidders are to contact Jennifer Dotson, Purchasing Director in writing if there are any questions regarding this RFQF Reverse Auction, either by email jennifer.dotson@msdh.ms.gov or by writing to P. O. Box 1700, Jackson, MS 39215-1700. Questions should be received no later than the close of business on Wednesday, January 30, 2019.

Sealed quotes/responses will be accepted/received until 3:00 PM, CST, Thursday, February 7, 2019 either hand delivered or by mail to **Mississippi State Department of Health, Purchasing Department, Room 137A, The Underwood Building, 570 E. Woodrow Wilson, Jackson, Mississippi 39216 or Post Office Box 1700, Jackson, MS 39215-1700.** The quotes/responses

must be received before and be dated and time stamped by the submission deadline. All bids must be properly stamped. No quotes/responses will be accepted after the established submission deadline.

No facsimile (FAX) quotes/responses will be accepted.

Quote/response BID FORM must be signed by a person with authority to bind the bidder, and must accompany your submission. Failure to comply with this provision, any other provision of this RFQF Reverse Auction, or any provision of state or federal law or regulation regarding the submission of bids will cause the bid to be rejected.

In addition, bidders should also submit a quote/response on-line in the State of Mississippi electronic procurement system, MAGIC. In order to submit quotes/responses, bidders must be registered as a vendor in MAGIC system and have an I.D. number and password assigned at the time of registration. Help for registering in MAGIC can be found at www.mmrs.state.ms.us.

The Mississippi State Department of Health reserves the right to waive minor informalities, which are matters of form rather than substance, or insignificant mistakes or to allow the bidder to correct them if other bidders are not prejudiced.

The bid will be awarded to the lowest and best responder/participant of this RFQF Reverse Auction as determined by the agency. The awardee will perform the terms and conditions of the bid and any contract awarded hereunder. No assignment of subcontracting of the award or any contract awarded there under shall be allowed without prior written approval of the State Health Officer.

PLEASE MARK YOUR ENVELOPES EXTERNALLY:

RFx #3140001668 Submission Deadline: 3:00 PM, CST, February 7, 2019

Minimum Bid Specifications to purchase a Liquid Chromatography Tandem Mass Spectrometer (LC-MS/MS) Triple Quadrupole Instrument

The MPHL participates in the Center for Disease Control and Prevention (CDC) Laboratory Response Network for chemical terrorism (LRN-C) as a level 2 laboratory. In this role, the MPHL is required to perform the following LRN-C core methods using a LC-MS/MS:

- Organophosphate Nerve Agents in Urine by LC/MS/MS
- Metabolic Toxins Panel in Urine by LC/MS/MS
- Tetranitromethane (HNPA) in Urine by LC/MS/MS
- Abrine/Ricinine in Urine by LC/MS/MS

The purpose of this RFQF is to solicit proposals and enter into a contract between the successful vendor and the MPHL for the purchase of one (1) liquid chromatography tandem mass spectrometer (LC-MS/MS) triple quadrupole instrument based on the below specifications:

MINIMUM REQUIREMENTS

A. Certification/Accreditation

1. Prospective Vendor **must** be accredited to ISO/IEC 17025 standards, or equivalent.
2. Documentation of Certification/Accreditation should be included with the bid submission

B. General Specifications

1. The State reserves the right to determine whether substitute offered is equivalent and meets the standards of the item specified. The Mississippi Public Health Laboratory Director will make the final determination.
2. The instrument **must** be new and a model currently in production. Refurbished or demonstrator instruments are not acceptable.
3. The vendor must submit with their RFQF a pre-installation checklist which shall identify any specific requirements needed for operation of the instrument and peripherals including but not limited to, voltage, circuit breakers, surge protectors, exhaust requirements, cooling requirements, space requirements and argon purity, flow and pressure
4. A UPS battery back-up/surge protector must be included.
5. The vendor must provide a list of at least 5 current clients that use the quoted instrument for LRN-C testing on human blood and urine samples. Client test list and contact information must be included.
6. The vendor **must** guarantee manufacturer replacement parts, labor, consumables and service for not less than 10 years.
7. All units offered **shall** include one (1) set of service manuals, parts list, and operating manuals.
8. Bid price **shall** include provision for all software updates, support, and revisions for a period of one (1) year from date of acceptance. All system software **must** be the current market version and have been in commercial use for a minimum of six (6) months prior to date of bid.

C. Instrument Specifications:

1. Tandem Mass Spectrometer:

- Analyzer: Triple quadrupole.
- MS ion source –Electrospray (ESI) ionization or equivalent
- Full scan MS and MS/MS capability for qualitative and quantitative analysis with Precursor ion selection
- Minimum Mass range: m/z 15-1000 amu
- Minimum Mass accuracy: 0.1 u across the mass range
- Minimum Mass stability: <0.15 u in 24 h
- Minimum dynamic range: >6.0 × 10⁶
- Minimum scan rate: 5,200 u/s
- Minimum MRM dwell time: 5 ms
- MRM transitions: 200 per time segment, >10,000 MRMs
- Collision cell: High-pressure, hexapole
- Polarity switching: Less than 50 msec without sacrificing mass accuracy in any scan, a full cycle of 1 positive and 1 negative scan.
- Calibration tuning specifications: Ability to autotune with automated optimization of ion optics and mass axis calibration for ESI configurations.
- Detector: Includes a high-energy conversion dynode and high-gain electron multiplier horn.
- Automatic calibrations and autotuning, accurate mass measurements
- Syringe pump for direct injection of samples.
- Loop injector (Flow injection directly to ESI)
- Vacuum: Suitable turbomolecular pumps backed with heavy duty rotary vacuum pump(s). Vacuum read backs must be digitally monitored and controlled through software to ensure fail-safe operation in the event of power failure.

2. UHPLC system

- UHPLC system with quaternary gradient pump, pressure –800 bar and above
- Detector - Diode Array Detector (DAD)
- Adjustable flow cell
- Data Acquisition rate : 60Hz or above
- Wavelength range : 190 nm - 800 nm
- Wavelength accuracy : ±1 nm
- Lamp : A deuterium lamp covering entire wave length
- Maintenance tracking functions: Date of lamp replacement, number of ignition, ignition time, energy, wavelength check, etc
- Binary pump with integrated 2-channel degassing unit
- Autosampler with suitable injector capable of holding 96 well plate/tray.
- The autosampler must have a cooler with a thermostat.
- Column oven with temperature ambient to 80 Degree Celsius.
- Multiple column capacity
- Sample loop with integrated needle flush port

D. Installation

- Vendor **must** schedule installation with the Mississippi State Public Health Laboratory.

- Vendor **must** deliver, unpack, assemble, and install the equipment.
- Sufficient staff must be provided by the vendor to move, unpack and assemble instrument and components.
- Vendor **shall** be responsible for all assembly and installation materials needed.
- Vendor is responsible for all travel related expenses regarding delivery, installation, training, and service during the term of the contract.

E. Service

- Must provide a toll free telephone number for technical assistance that is accessible Monday through Friday from 8:00 a.m. - 5:00 p.m. CST/CDT.
- The company must be able to provide expedited service when there is an instrument malfunction. On-site field service is requested within (72) hours of the request during working hours or Monday through Friday, 8:00 AM to 4:30 PM CST, excluding State of Mississippi holidays.
- Vendor should have a minimum of two (2) service technicians within 400 miles of Jackson, Mississippi.
- Must provide on-site service calls to perform preventive maintenance as required by the manufacturer.
- The manufacturer shall provide optional support agreements (service contracts) for the instrument and software. A summary of the support agreement options and cost for each option shall be attached for review, but not included in the purchase price.
- The instrument and all essential accessories (except consumables) shall be supported by at least a 1-year warranty that includes all parts, labor and travel. The warranty **shall** cover defects in material and workmanship and **shall** cover all costs associated with the repair or replacement of defective items including labor, parts, transportation costs, travel time and expense, and any other costs associated with such repair or replacement.

F. Training

1. On-site comprehensive training for scientific/technical personnel operating the system and support services till customer satisfaction with the system must be provided and line-listed in the instrument price submitted.
2. Complementary (all expenditure inclusive) comprehensive training for two personnel on operation and maintenance aspect of the instrument at manufacturer's must be provided and line-listed in the instrument price submitted. Training must include the following:
 - System familiarization
 - Training on software
 - Training on hardware
 - Training Manuals

G. System and software requirements

- System: Latest branded PC with LED monitor (21 inch or larger), Core i7 Processor, 4 GB (or higher) Ram, 1 TB (or higher) Hard disk, DVD Writer, Window 7 Operating System and heavy duty laser printer, and all the required software to control all aspects of both the LC and the MS instruments.

- Software: Must provide full-system integration and a single point of control for a range of HPLC components, automated sample preparation systems, and ion sources. Must control all aspects of instrument operation including tuning, qualitative and quantitative analysis of various chemical analytes and deconvolution of mass spectral data. Must provide data review and analysis including queries, metric plots, configurable results tables, and customizable, Microsoft Word-based report templates. Must enable unattended, automatic switching between MS and MS/MS scanning modes during data acquisition

H. Other

- A list of consumables for one (1) year operation of the system as required with pricing must be provided to estimate long term costs.
- Available service agreement plans for the instrument after the warranty ends must be provided along with pricing to estimate long term costs.