

## **Bid Specifications**

### **Triple Quadrupole LC/MS/MS System and High Performance Liquid Chromatograph**

*Purpose: Rapid quantification and screening for drugs and poisons in Forensic Toxicology and Drug Chemistry cases.*

#### **Mass Spectrometer:**

Triple Quadrupole

Ion Source: Multi Mode Analysis; capable of electrospray ionization and chemical ionization simultaneously

Collision Cell: Hexapole collision cell to increase MS/MS sensitivity and decrease cross memory

Instrument tuning: Automatic autotune program with internal tuning mix

Ion Detection: Capable of switching between positive and negative mode on alternating scans

Mass Range: m/z 5 to 2250

Scan Speed: Capable of scan speeds of up to 5200 u/sec

#### **High Performance Liquid Chromatograph:**

Capable of solvent and column switching without user intervention

Capable of regulating column temperature of at least 2 different columns

Cooled autosampler

#### **Data System:**

Data station and printer

Windows based operating system capable of multi-tasking allowing data processing and data acquisition simultaneously

Operating system must be fully integrated to control both HPLC and mass spectrometer

#### **Warranty and Service**

On-site installation to be provided by vendor. Setup, familiarization, and testing of instrumentation will be completed by vendor at the Hoover ADFS laboratory. Price must include the installation and setup of items listed above. Vendors will submit cost proposals on a line item basis.

Vendor will provide a full one-year parts and labor warranty on all items.

**Post installation support**

Instrument: Cost for two (2) rounds of preventative maintenance must be included in price.

Training: One general level and one advanced level manufacturer's course

Responses to this proposal submitted by vendors will be evaluated for both technical merit and financial viability in an effort to achieve the best value for the State of Alabama.

Failure of any vendor to include any information that is requested within this RFB may lead to rejection of the bid for non-responsiveness. By responding to this proposal, a vendor attests that it is capable of providing the requested technology immediately upon award.