

Forensics Lab Equipment Upgrade Preliminary Estimate

2201 Courage Drive.

7/27/2017

Basis-of-Design Budget encompasses facility upgrades to accomodate the following equipment:

- *ExionLC-AC (UHPLC Chromatography)*
- *Peak ABN2ZA (Nitrogen Generator)*
- *AB SCIEX QTAP 5500 (mass specrometer)*

General Equipment Relocation to create space:

Cabinet Reconfiguration to provide 36" deep counter space \$ 2,500

Note: additional shading at window omitted (existing blinds can be used)

Note: relocation of existing equipment & computer by lab staff

ExionLC-AC (UHPLC Chromatography):

Operational Requirements:

Provide one Ethernet connection \$ 1,000

Peak ABN2ZA (Nitrogen Generator)

Operational Requirements:

220 V UPC-protected power source (for all three devices)- includes modifying two existing outlets, providing one new outlet with UPC backup power \$7,500

Note: Nitrogen Generator is assumed to be 'stand alone'. No coordination to consolidate with existing nitrogen bottle farm anticipated.

AB SCIEX QTAP 5500 (mass specrometer)

Operational Requirements:

Connect to existing vent hood ventilation system above ceiling \$ 1,500

Re-balance HVAC to accommodate heat load \$2,000

Note: gas and data connections to generator & Chromatograph by equipment provider or lab staff

Additional Costs

Misc. contract costs (Supervision, Overhead & Profit) \$4,980

Facilities coordination (closeout & tag-out) \$500

Permit \$1,500

Capital Project Management \$4,000

15% estimating contingency \$3,750

Total \$29,230