

**Mechanical / Instrument Needs****Forensic Biology**

| Equipment                  | Quantity | Supplied By | Requirements                  | Notes                                                             |
|----------------------------|----------|-------------|-------------------------------|-------------------------------------------------------------------|
| Veriti Thermocycler        | 4        | TBI         | Electric 110                  | Benchtop                                                          |
| 7500 Real Time PCR         | 2        | TBI         | Electric 110 / Network        | Benchtop                                                          |
| EZ2 Extraction Robot       | 3        | TBI         | Electric 110 / Network        | Benchtop                                                          |
| 3500 Genetic Analyzer      | 2        | TBI         | Electric 110 / Network        | Benchtop                                                          |
| Driftcon                   | 2        | TBI         | Electric 110                  | Benchtop                                                          |
| Chemical Hoods             | 7        | Building    | Electrical Plug in Hood - 110 | Exhaust / HVAC                                                    |
| Chemical Hood w/filter     | 1        | Building    | Electrical Plug in Hood - 110 | Same as above with filtration for phenol chloroform reagent (PCI) |
| Portable Extraction Hood   | 5        | TBI         | Electric 110                  | Benchtop                                                          |
| Dishwasher                 | 1        | Building    | Electric / Plumbing           |                                                                   |
| Safety Shower              | 2        | Building    | Plumbing                      |                                                                   |
| Safety Eyewash             | 2        | Building    | Plumbing                      |                                                                   |
| Refrigerator/Freezer Combo | 3        | TBI         | Electric 110                  | Standard Size                                                     |
| Freezer                    | 1        | TBI         | Electric 110                  | Standard Size                                                     |
| Alternate Light Source     | 2        | TBI         | Electric 110                  |                                                                   |

**Forensic Chemistry**

| Equipment                                        | Quantity | Supplied By | Requirements                                                           | Notes                      |
|--------------------------------------------------|----------|-------------|------------------------------------------------------------------------|----------------------------|
| Gas Chromatograph/Mass Spectrometer (GC/MS)      | 4        | TBI         | Helium, Hydrogen, Zero Air, Electric (220), Exhaust Vent, Network      | Benchtop                   |
| Gas Chromatograph/Infra Red Spectrometer (GC/IR) | 2        | TBI         | Helium, Zero Air/Nitrogen Purge, Electric (220), Exhaust Vent, Network | Benchtop                   |
| Fourier Transform Infrared Spectrometer (FTIR)   | 3        | TBI         | Zero Air/Nitrogen Purge, Electric, Network                             | Benchtop                   |
| Ultra-Violet Visible Spectrometer (UV-vis)       | 1        | TBI         | Electric (110), Network                                                | Benchtop                   |
| Liquid Chromatograph/Mass Spectrometer (LC/MS)   | 1        | TBI         | Nitrogen, Zero Air, Electric (220), Exhaust Vent, Network              | Benchtop                   |
| Balances                                         | 7        | TBI         | Electric, Network                                                      | Benchtop                   |
| Zero Air Generator                               | 1        | TBI         | Electric (110), Compressed Air                                         | Benchtop or Floor standing |
| Nitrogen Generator                               | 1        | TBI         | Electric (110), Compressed Air                                         | Floor standing             |
| Hydrogen Generator                               | 2        | TBI         | Electric 110                                                           | Benchtop                   |
| Dishwasher                                       | 1        | Building    | Electric / Plumbing                                                    |                            |
| Safety Shower                                    | 2        | Building    | Plumbing                                                               |                            |
| Safety Eyewash                                   | 2        | Building    | Plumbing                                                               |                            |
| Chemical Hood                                    | 8        | Building    | Electrical Plug in Hood - 110                                          | Exhaust / HVAC             |
| Refrigerator                                     | 1        | TBI         | Electric 110                                                           | Standard Size              |

**Toxicology - Alcohol Only**

| Equipment                                                | Quantity | Supplied By | Requirements                                        | Notes                                                    |
|----------------------------------------------------------|----------|-------------|-----------------------------------------------------|----------------------------------------------------------|
| Headspace Gas Chromatograph/Mass Spectrometer (HS GC/MS) | 3        | TBI         | Helium, Hydrogen, Zero Air, Electric (110), Network | Benchtop                                                 |
| Refrigerator                                             | 5        | TBI         | Electric 110                                        | Standard Size (Or replace with one walk-in refrigerator) |
| Hydrogen Generator                                       | 1        | TBI         | Electric 110                                        | Benchtop                                                 |
| Zero Air Generator                                       | 1        | TBI         | Electric 110, Compressed Air                        | Benchtop                                                 |
| Dishwasher                                               | 1        | Building    | Electric / Plumbing                                 |                                                          |
| Safety Shower                                            | 1        | Building    | Plumbing                                            |                                                          |
| Safety Eyewash                                           | 1        | Building    | Plumbing                                            |                                                          |
| Chemical Hood                                            | 2        | Building    | Electrical Plug in Hood - 110                       | Exhaust / HVAC                                           |

**Evidence Receiving**

| Equipment     | Quantity | Supplied By | Requirements                  | Notes          |
|---------------|----------|-------------|-------------------------------|----------------|
| Refrigerator  | 2        | TBI         | Electric 110                  | Standard Size  |
| Chemical Hood | 1        | Building    | Electrical Plug in Hood - 110 | Exhaust / HVAC |

**Mechanical Room**

| Equipment              | Quantity | Supplied By | Requirements                                                  | Notes                                      |
|------------------------|----------|-------------|---------------------------------------------------------------|--------------------------------------------|
| Compressor             | 1        | Building    | Plumbed for compressed air needs for lab units                | See Jackson Lab (Peter Heimbach) for specs |
| Helium Manifold System | 1        | Building    | Plumbed to Toxicology and Forensic Chemistry for Helium Needs | See Jackson Lab (Peter Heimbach) for specs |

**General / Office**

| Equipment               | Quantity | Supplied By | Requirements          | Notes                                                          |
|-------------------------|----------|-------------|-----------------------|----------------------------------------------------------------|
| Computer                | 1/Person | TBI         | Electric 110, Network |                                                                |
| Copier                  | 4        | TBI         | Electric 110, Network |                                                                |
| Wireless Network        |          |             |                       | Locate in offices for Admin, Evid, F. Biology, and F. Chem/Tox |
| Building security needs |          |             |                       | Lab wide Wi-Fi<br>See TBI Protective Services                  |