

Coverdell FFY 2016

BUDGET NARRATIVE

A.	<u>Personnel:</u>	N/A
B.	<u>Fringe Benefits</u>	N/A
C.	<u>Travel:</u>	N/A
D.	<u>Equipment:</u>	\$21,500

Centrifuges: \$ 5,478

Two of the three centrifuges in the Toxicology Laboratory are non-functional. This request is to replace the centrifuges. Equipping the Laboratory Section back to three centrifuges will allow the Section to maintain current thru-put of casework.

Heat Blocks: \$ 1,000

The Toxicology Laboratory currently has one heat block shared amongst six (6) scientists. This piece of equipment is utilized for the hydrolysis and/or derivatization steps in the analytical process. The acquisition of two additional heat blocks will solve this critical bottleneck in the testing procedures.

Volumetric Glassware: \$ 5,000

The Toxicology and Drug Identification Laboratories need to replacement their Class A volumetric glassware. Both laboratories perform quantitative analyses and as such rely upon the tight specification in these measuring containers to achieve acceptable Measurement of Uncertainty as required by ISO 17025. Over time breakage and/or constant use has diminished the supplies.

Comparison Microscope Stage Mounts: \$ 3,500

The current stages on the LCF have only coarse adjustment. The fine adjustment will allow for quicker and easier focusing especially at higher magnification and while acquiring digital images. The coarse and fine adjustment stages are standard on newer comparison microscopes.

LCF Performance Verification Kit:

\$ 1,000

This kit would be used to performance check the two comparison microscopes twice per year per policy. It includes a certified reticle and graduated stage micrometer that can be used to verify magnification on the left and right sides and calculate any difference of magnification.

Replacement Pipettes:

\$ 6,000

The Toxicology Laboratory utilizes pipettes for it qualitative and quantitative assays. Several pipettes have had to be taken out of service due to their age and additional testing staff has been added to the Laboratory Section, who needs pipettes. This has resulted in an insufficient number of these measuring devices for staff and creates a bottleneck in case work production, leading to incremental increase in turn-around-time. The funding will allow for the purchase additional pipettes, thus providing some relief in this choke point.

E. Supplies:

N/A

F. Construction:

N/A

G. Consultants/Contracts:

N/A

H. **Other Costs [Calibration/Certification Service]:**

\$ 3,500

This is preventative maintenance, calibration and recertification provide by the manufacturer (LEEDS). All optics are cleaned and adjusted as needed, magnification between right and left images are checked/calibrated, measuring reticle and imaging software are also checked/calibrated and calibration certificates are issue for each comparison microscope. Leeds' calibration and recertification meets ASCLD/ISO requirements and is traceable to NIST standards and is recommended every two years.

Total

\$ 25,000