

Trisha Corti
3/30/16

Blood Drug Program Cost Estimate Summary

Description	Number	Cost Each	Cost Total	Explanation
WORK SPACE				
Remodel lab space	1	\$ 530,000	\$ 530,000	Designated space for blood drug instrumentation would need to be developed.
Remodel office space	1	\$ 15,000	\$ 15,000	To accommodate new analysts, desk/office work space will need to be designated and furnished.
		One Time Sub Total	\$ 545,000	
EQUIPMENT				
Randox Tox Screen	1	\$ 80,000	\$ 80,000	Instrument for drug identification screening
LC/MS-triple quad	1	\$ 436,000	\$ 436,000	Instrument for drug identification confirmations
SPE equipment	1	\$ 25,000	\$ 25,000	Used to extract drugs from blood samples
Evaporator	1	\$ 2,000	\$ 2,000	Used to remove extraction solvents from samples
Nitrogen generator	1	\$ 15,000	\$ 15,000	Provides nitrogen gas for solvent evaporation
Vortex mixer	1	\$ 600	\$ 600	Used to mix samples
Bio cabinet	1	\$ 11,000	\$ 11,000	Used to provide safe environment for handling biological samples
Fume hood	1	\$ 7,500	\$ 7,500	Used to provide safe environment for handling chemical solvents
Refrigerator	1	\$ 3,000	\$ 3,000	Used to store standards and controls
Rees temperature probe	1	\$ 500	\$ 500	Used to connect the refrigerator to the monitoring system
Computers	2	\$ 2,000	\$ 4,000	Each new position will need a workstation
		One Time Sub Total	\$ 584,600	
TRAINING				
Training-DUID analysis	5	\$ 5,000	\$ 25,000	Required for expert witness testimony
		One Time Sub Total	\$ 25,000	
CONTRACTUAL				
LIMS	1	\$ 10,000	\$ 10,000	Update the LIMS system to include a blood drug platform
		One Time Sub Total	\$ 10,000	
Total Start-up Cost			\$ 1,164,600	

*All costs listed are estimates

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SUPPLIES				
Standards	155	\$ 150	\$ 23,250	Approximately \$75 each for standard and deuterated standard
Test tubes, caps	1	\$ 1,000	\$ 1,000	Estimated total for transferring/holding samples
LC column	1	\$ 300	\$ 300	For use in with LC instrument for drug separation
DOA kits	2	\$ 700	\$ 1,400	For use in the Randox instrument for screening of drugs of abuse
SPE columns	100	\$ 6	\$ 600	For use in the SPE equipment for extraction of drugs
		Annual Sub Total	\$ 26,550	
CONTRACTUAL				
Proficiency tests	5	\$ 405	\$ 2,025	Proficiency test required per analyst per discipline annually
		Annual Sub Total	\$ 2,025	
Total Recurring Costs			\$ 28,575	

NOTE: estimate does not include personnel

*All costs listed are estimates