Organization: City of Columbus Division of Police

2022-AR-CLB-907A

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Equipment

If this page is not applicable, check this box and click SAVE.

Item(s) Being Purchased	Quantity	Unit Price	Total
FTIR/ATR	2	\$40,000.00	\$80,000.00
Leeds comparison microscope	1	\$95,000.00	\$95,000.00
GC/MS	2	\$170,000.00	\$340,000.00
XL superglue fuming and development chamber	1	\$52,000.00	\$52,000.00
			\$0
			\$0
			\$0
			\$0
			\$0
			\$0
		Fauinment Total:	\$567,000,00

Provide justification for the equipment requested.

The Drug Identification Section is transitioning to an electronic management system for GC/MS data. The two oldest GC/MS systems currently in use are over 20 years old and are incompatible with the electronic management system. Replacing the two incompatible instruments with new models will improve laboratory efficiency by allowing analysts to review data from any network computer.

The oldest comparison microscope in the Firearms Section is over 20 years old. A more modern microscope will provide increased efficiency and ease of use. The addition of a new comparison microscope will also aid in training the approved expansion forensic scientist in the Firearms Section.

The two FTIR/ATR systems in the Drug Identification Section are now outside of their serviceable period. The instrument vendor no longer stocks parts for these instruments. Proactively replacing the two instruments will prevent the case backlog that would develop if the instruments were out of service.

The Latent Print Processing Unit does not have a sizable fuming and development chamber to process large items such as bicycles, furniture, etc. The x-large fuming chamber would increase efficiency by eliminating the need to disassemble the items for cyanoacrylate fuming.

By increasing efficiency with the purchase of these instruments and equipment, the lab seeks to prevent and/or reduce case backlogs.