



Maine Department of Health and Human Services
Maine Center for Disease Control and Prevention
Health and Environmental Testing Laboratory
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ORAL FLUID TESTING COST ANALYSIS

HEALTH & ENVIRONMENTAL TESTING LABORATORY -
FORENSIC CHEMISTRY: TOXICOLOGY

PROGRAM COSTS

1. 2 Toxicology Chemists: tasked with creating and bringing online oral fluid testing, then, once testing is online, test oral fluid samples submitted by LEOs.
2. One instrument sensitive enough to test for drugs in oral fluid samples.
 - And reoccurring annual maintenance costs
3. Oral fluid collection kits
4. Testing Fees

ESTIMATIONS/ ASSUMPTIONS

- Some variables must be estimated/assumed based on previous experience, anecdotal evidence or general cost analysis policies.
 - 2 toxicology chemists required to develop and run this new testing method. (previous experience)
 - Blood and blood/oral fluid kits annually ordered are based on the number of blood kits currently ordered with a 15% increase. (general cost analysis policies)
 - Oral fluid testing fee (\$225/sample)
- One variable we are not able to properly estimate based on currently available data: *How many current refusals will become an oral fluid sample?*

ALABAMA METHOD

- Consists of ordering and providing to LEO collection kits that contain the means to collect blood &/or oral fluid.

30% of cases submitted for blood & oral fluid testing		
	Initial Year cost	Reoccurring Annual Cost
Staff position (2xchemists)	\$284,945.74	\$284,945.74
Collection kits	\$34,845.56	\$34,845.56
Instrument Purchase & Maintenance Contract	\$700,000.00	\$30,000.00
Testing Fees	\$527,062.50	\$527,062.50
	\$1,546,853.80	\$876,853.80
	Initial Year Total Cost	Reoccurring Annual Total Cost

50% of cases submitted for blood & oral fluid testing		
	Initial Year cost	Reoccurring Annual Cost
Staff position (2xchemists)	\$284,945.74	\$284,945.74
Collection kits	\$34,845.56	\$34,845.56
Instrument Purchase & Maintenance Contract	\$700,000.00	\$30,000.00
Testing Fees	\$604,687.50	\$604,687.50
	\$1,624,478.80	\$954,478.80
	Initial Year Total Cost	Reoccurring Annual Total Cost

NEW YORK METHOD

- Laboratory will order and distribute collection kits for just oral fluid (separate from blood & urine)

30% of cases submitted for oral fluid testing (instead of blood or urine)		
	Initial Year cost	Reoccurring Annual Cost
Staff position (2xchemists)	\$284,945.74	\$284,945.74
Collection kits	\$23,168.73	\$23,168.73
Instrument Purchase & Maintenance Contract	\$700,000.00	\$30,000.00
Testing Fees	\$472,218.75	\$472,218.75
	\$1,480,333.21	\$810,333.21
	Initial Year Total Cost	Reoccurring Annual Total Cost

50% of cases submitted for oral fluid testing (instead of blood or urine)		
	Initial Year cost	Reoccurring Annual Cost
Staff position (2xchemists)	\$284,945.74	\$284,945.74
Collection kits	\$26,884.17	\$26,884.17
Instrument Purchase & Maintenance Contract	\$700,000.00	\$30,000.00
Testing Fees	\$513,281.25	\$513,281.25
	\$1,525,111.16	\$855,111.16
	Initial Year Total Cost	Reoccurring Annual Total Cost