

Solutions Comparison: Drug Screening Options Summary

SPECIMEN TYPE					
Testing Detail	Urine		Oral Fluid		Hair
	Lab-Based	Rapid Test	Lab-Based	Rapid Test	Lab-Based
<p>Collection</p> <p>(General process outline only. Refer to collector’s manual or product insert for additional details).</p>	<p>Donor provides urine specimen in restroom with restricted access to water and cleaning agents.</p> <p>Collector prepares specimen for transport by sealing specimen vial(s) and completing custody and control form (CCF) documentation. Specimen is shipped to laboratory for analysis.</p>	<p>Donor provides urine specimen in restroom with restricted access to water and cleaning agents.</p>	<p>In the presence of the collector, donor places device under tongue to absorb oral fluid. When indicator window turns blue, collector pad is removed from donor’s mouth and placed in transport tube for shipment to laboratory.</p>	<p>In the presence of the collector, donor places device in mouth to absorb oral fluid. Collector transfers oral fluid into the testing device by pressing the applicator into the collection well.</p>	<p>Collector cuts hair close to the scalp (below crown, near the back of head). About 100 strands are needed, or approximately 1/4 the diameter of a pencil. Collector identifies the root end with foil, seals the specimen for transport, and completes CCF documentation. Specimen is shipped to laboratory for analysis.</p>
<p>Testing Procedure</p>	<p>Testing performed in laboratory. Initial screen is by immunoassay technique. Gas or liquid chromatography/mass spectrometry (GC/MS or LC/MS) testing is available for confirmation of presumptive positive specimens.</p>	<p>Collector performs initial screen onsite with the rapid test device and records results on the CCF. Results are transmitted electronically to the lab.</p> <p>If initial screen is non-negative, specimen is forwarded to laboratory for confirmation testing. GC/ MS or LC/ MS testing is available for confirmation of presumptive positive specimens.</p>	<p>Testing per-formed in laboratory using ELI-SA. GC/MS or LC/ MS testing is available for confirmation of presumptive positive specimens.</p>	<p>Laboratory-based GC/MS or LC/MS testing is available for confirmation of presumptive positive specimens.</p>	<p>Testing performed in laboratory using ELISA. GC/MS or LC/ MS testing is available for confirmation of presumptive positive specimens.</p>

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Specimen Validity Testing (SVT)		Available screening includes creatinine, specific gravity, pH and nitrites.	SVT strips available for use with rapid screens. Lab-based confirmation for creatinine, specific gravity, pH and nitrites.	SVT evaluates sample to check if it is consistent with normal human oral fluids.	SVT evaluates sample to check if it is consistent with normal human oral fluids.	SVT evaluates sample to check if it is consistent with normal human hair samples (quantity, quality, foreign substance).
Window of Detection (amphetamines, cocaine metabolite, opiates, PCP and Tetrahydrocannabinol (THC)/ metabolite)		Generally 24 – 72 hours THC and/or metabolite 24 hours – 2 weeks (Depends on frequency of use and specified cut-off concentration)		3 – 48 hours THC and/or THC metabolite < 12 Hours		1 week – 3 months
Average result turnaround time from receipt in lab	Negative screen	≤ 24 hours	≤ 2 hours	≤ 24 hours	≤ 2 hours	24 – 48 hours
	Non-negative screen	24 – 72 hours	24 – 72 hours	24 – 72 hours	48 – 72 hours	48 – 96 hours

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