

Are they abusing?

Rely on lab-based oral fluid drug testing for non-invasive collections and dependable recent use detection. *We'll find out.*

GAIN THE CONFIDENCE AND CONVENIENCE YOU NEED FROM THE ORAL FLUID DRUG TESTING SOLUTION.

Redwood Toxicology Laboratory's (RTL) oral fluid test is gaining popularity with many organizations that require convenient, gender-neutral specimen collection combined with the accuracy of lab testing. Oral fluid lab-based drug testing is ideal for drug testing in a variety of industries, particularly in criminal justice and addiction treatment situations where recent use detection and ease of use are vital.

RTL's testing procedures are scientifically accepted and approved by the U.S. Department of Health and Human Services (CMS/CLIA). The lab utilizes the most sophisticated, sensitive and specific equipment and technology available, (GC/MS - gas chromatography/mass spectrometry) to confirm and quantitate drugs in oral fluid.

As with all of RTL's testing options, full customer support is provided to help you get up and running quickly. Turn to RTL for confidence in testing—we'll find out.

FEATURES AND BENEFITS

- *Highly customizable test panel options covering a range of licit and illicit drugs*
- *Non-invasive, gender-neutral collections with no exposure to specimen*
- *Excellent indication of recent drug use*
- *Protection against sample adulteration and tampering*
- *Collection device provides better THC recovery and stability; volume indicator guarantees sufficient collections (99% accuracy¹)*
- *Fast turn-around time from receipt of specimen (48 hours² negative, 72 hours positive)*

Start testing with oral fluid

800-255-2159

or visit: www.redwoodtoxicology.com



FREQUENTLY ASKED QUESTIONS

Complete list of FAQs available online at www.redwoodtoxicology.com**Why should I implement the oral fluid testing at my facility?**

Not only does oral fluid testing save your agency time and money in collection fees, it offers the convenience of testing for drugs of abuse anywhere, at any time.

What are the testing and confirmation methodologies?

Specimens collected with the oral fluid collection device are sent to RTL for screening by Enzyme Immunoassay (EIA), one of the industry's standards. Positive screens are confirmed by gas chromatography/mass spectrometry (GC/MS)³. The analytical methods used by RTL for the detection of drugs of abuse are scientifically accepted and approved by the U.S. Department of Health and Human Services (CMS/CLIA).

Screening Cutoff Levels by Procedure *Cutoff levels updated periodically*

Drug	EIA
Amphetamine	50 ng/mL
Barbiturates	50 ng/mL
Benzodiazepines	20 ng/mL
Cocaine Metabolite (Benzoylecgonine)	20 ng/mL
Methadone	50 ng/mL
Methamphetamine	50 ng/mL
Opiates (hydrocodone, hydromorphone, oxycodone, 6-monoacetylmorphine)	40 ng/mL
Phencyclidine	10 ng/mL
THC (Cannabinoids)	4 ng/mL

Confirmation Cutoff Levels by Procedure *Levels updated periodically*

Drug	GC/MS
Amphetamine	15 ng/mL
Barbiturates	20 ng/mL
Benzodiazepines	15 ng/mL
Cocaine Metabolite (Benzoylecgonine)	8 ng/mL
Methadone	10 ng/mL
Methamphetamine	15 ng/mL
Opiates	
- Codeine, Hydrocodone, Hydromorphone, Morphine, Oxycodone	20 ng/mL
- 6-monoacetylmorphine	4 ng/mL
Phencyclidine	5 ng/mL
THC (Cannabinoids)	1 ng/mL

1. Moore C, Rana S, Coulter C, Day D, Vincent M, Soares J. Detection of conjugated 11-nor-Delta9-tetrahydrocannabinol-9-carboxylic acid in oral fluid. *J Anal Toxicol* 2007;31:187-194.

2. Excludes specimens received Saturday.

3. Positive on methadone panels are confirmed by GC/MS upon request.

4. Average detection time. Chronic exposure may lead to longer detection times.

I suspect that my donor just used a substance of abuse, how long should I wait before collecting the specimen?

Depending on the drug and dosage, drugs may be detected in oral fluid in as little as a few minutes or up to approximately 2 hours from the time of use.

How do I collect the oral fluid specimen?

Instructions for use are included with your first order of oral fluid collection devices. Please read these instructions carefully. RTL offers telephonic training. If you have questions, please call (800) 255-2159.

Can I ship my oral fluid specimens with my urine specimens?

RTL will accept both oral fluid and urine specimens in the same lab pack when sending five or more specimens (e.g. three oral fluid specimens and two urine specimens). The specimens cannot, however, be mixed in the postage-paid mailer boxes due to U.S. Postal Service regulations.

What are the oral fluid drug detection times?

The drug detection times in oral fluid closely parallel those in blood.

Oral Fluid Detection Times⁴

Drug	Detection Time
Amphetamine	From minutes up to 48 hours
Barbiturates	From minutes up to 48 hours
Benzodiazepines	From minutes up to 48 hours
Cocaine & Metabolite (Benzoylecgonine)	From minutes up to 48 hours
Methamphetamine	From minutes up to 48 hours
Methadone	From minutes up to 48 hours
Opiates	From minutes up to 48 hours
Phencyclidine	From minutes up to 48 hours
THC (Cannabinoids)	From minutes up to 24 hours



Ask about combining your oral fluid test panel with Synthetic Cannabinoid Testing.