

# Are they abusing?

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

**Oral Fluid Collection Device**  
Eliminate insufficient collections with the Quantisal™ volume adequacy indicator.

**BUPRENORPHINE DETECTION VIA LC/MS/MS NOW AVAILABLE IN ORAL FLUID TESTING.**

Redwood Toxicology Laboratory's 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 a variety of industries, particularly criminal justice and addiction treatment situations where recent use detection and ease of use are vital.

Our 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, gas chromatography/mass spectrometry (GC/MS) and liquid chromatography/tandem mass spectrometry (LC/MS/MS), to confirm and quantitate drugs in oral fluid.

As with all of our testing options, full customer support is provided to help you get up and running quickly. Turn to Redwood Toxicology Laboratory 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% accuracy<sup>1</sup>)*
- *Fast turn-around time from receipt of specimen (48 hours<sup>2</sup> negative, 72 hours positive)*

*Start testing with oral fluid*

**800-255-2159**

*or visit: [www.redwoodtoxicology.com](http://www.redwoodtoxicology.com)*



## ORAL FLUID DRUG TESTING INFORMATION

Complete list of cutoffs and test methods available online at: [redwoodtoxicology.com](http://redwoodtoxicology.com)

Drug Tested—Confirmed by GC/MS unless indicated.	Detection Time <sup>4</sup>
Alcohol <sup>5</sup>	After absorption (~1 hour) blood alcohol decreases ~.02 gm%/hour
Amphetamine	From minutes up to 48 hours
Barbiturates	From minutes up to 48 hours
Benzodiazepines: <sup>6</sup> Alprazolam, Chlordiazepoxide, Clonazepam, Diazepam, Flunitrazepam, Flurazepam, Lorazepam, Midazolam, Nordiazepam, Oxazepam, Temazepam, Triazolam	From minutes up to 48 hours
Buprenorphine / Norbuprenorphine <sup>6</sup>	From minutes up to 48 hours
Cocaine Metabolite (Benzoyllecgonine)	From minutes up to 48 hours
Methadone	From minutes up to 48 hours
Methamphetamine	From minutes up to 48 hours
Opiates: Codeine, Hydrocodone, Hydromorphone, Morphine, 6-monoacetylmorphine	From minutes up to 48 hours
Oxycodone	From minutes up to 48 hours
Phencyclidine	From minutes up to 48 hours
Synthetic Cannabinoids: <sup>6</sup> AKB-48, AM-1248, AM-2201, AM-694, JWH-018, JWH-019, JWH-073, JWH-081, JWH-122, JWH-200, JWH-203, JWH-210, JWH-250, JWH-398, MAM-2201, RCS-4, RCS-8, UR-144, XLR-11	From minutes up to 48 hours
THC (Cannabinoids)	From minutes up to 48 hours

## FREQUENTLY ASKED QUESTIONS

Complete list of FAQ's available online at [redwoodtoxicology.com](http://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 convenient gender-neutral collections combined with the accuracy of lab testing.

**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) or enzyme-linked immunosorbent assay (ELISA). Positive screens are confirmed by gas chromatography/mass spectrometry (GC/MS)<sup>3</sup> - or by liquid chromatography/tandem mass spectrometry (LC/MS/MS). 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).

**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 collections devices. Please read these instructions carefully. RTL offers telephonic support and web-based training materials. If you have questions, please visit our website: [redwoodtoxicology.com](http://redwoodtoxicology.com) or 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.

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 for an additional fee.
4. Average detection time. Chronic exposure may lead to longer detection times.
5. Alcohol confirmed by Gas Chromatography Flame Ionization Detector (GC-FID).
6. Confirmed by Liquid chromatography/tandem mass spectrometry (LC/MS/MS).



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