



# Are they abusing “synthetic marijuana”?

Synthetic Cannabinoid Oral Fluid testing — a convenient, gender-neutral solution, ideal for recent use detection. You need to know. We'll find out.

Oral Fluid Collection Device  
with volume adequacy indicator.



**NOW EXPANDED TO COVER 19 DRUGS:** *INCLUDING 3 EMERGING SYNTHETIC CANNABINOIDS.*

We can say with confidence that we are at the forefront of researching and identifying synthetic cannabinoids. Redwood Toxicology Laboratory was the first lab in the world to develop a urine-based metabolite test and oral fluid parent drug test for “synthetic marijuana.”

Synthetic cannabinoid compounds, found to be 4 to 100 times stronger than marijuana, are deceptively marketed as incense or herbal smoke products and sold under names such as K2, K3 Legal, Spice, Syn, Haze, Cloud Nine and many others.

A nationwide ban restricts the manufacture, purchase, and use of 20 compounds containing these dangerous substances. Even with the ban, persistent designer drug chemists attempt to circumvent laws by developing new compounds with similar chemical structures.

At Redwood Toxicology Laboratory, we stand vigilant as the leader in designer drug detection. Now you'll know.

## FEATURES AND BENEFITS

- *First to develop reliable test methods, we offer considerable expertise and a strong reputation for scientific innovation*
- *Quantitatively identifies 19 synthetic cannabinoid parent drug compounds in oral fluid*
- *Performed on advanced QTrap LC/MS/MS equipment; providing definitive biomarker test results*
- *Average window of detection is 72 hours following a single low dose; in case of chronic use the window is much longer*

**Start testing synthetic cannabinoids**

**800-255-2159**

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



an Alere company.

## Frequently asked questions

### What are synthetic cannabinoids?

Synthetic cannabinoids are chemical compounds that mimic the effect of THC, the principle active ingredient of cannabis. Like THC, they bind to cannabinoid receptors in the brain and were initially developed as therapeutic agents for the treatment of pain. However, these psychoactive research chemicals are frequently being sprayed on herbal mixtures and sold as “fake weed” or “synthetic marijuana.” Initially, JWH-018 and JWH-073 were the two most common synthetic cannabinoid chemicals found in a variety of herbal smoking blends. Others like AKB-48, UR-144 and XLR-11 have started appearing in newer synthetic cannabinoid products and preparations.

### Will a standard drug test detect synthetic cannabinoids?

Conventional drug test panels will not detect the broad range of synthetic cannabinoids. They pass undetected in standard oral fluid testing for such drugs as cocaine, marijuana, heroin and amphetamines. RTL's oral fluid synthetic cannabinoid Test can be ordered with your standard panel to ensure detection.

### What are the oral fluid cutoff levels?

Oral fluid test results are quantitatively reported and the cutoff level is 0.25 ng/mL.

AKB-48, AM-1248, AM-694, JWH-203, RCS-8 are reported qualitatively.

## Synthetic Cannabinoid Oral Fluid Test

### Panel F25: Oral Fluid Synthetic Cannabinoid Test

*Detects 19 drug compounds*

AKB-48	JWH-203
AM-1248	JWH-210
AM-2201	JWH-250
AM-694	JWH-398
JWH-018	MAM-2201
JWH-019	RCS-4
JWH-073	RCS-8
JWH-081	UR-144
JWH-122	XLR-11
JWH-200	

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