

CLIENT BULLETIN

September 2017

Synthetic Cannabinoids “K2- Spice”

Multiple **Synthetic cannabinoid** compounds have been added to our Synthetic cannabinoids test menu. They are known by a variety of street names such as Fake Weed, Fake Pot, Synthetic Cannabinoids, K2, Spice, etc. and all are terms for laboratory-made chemicals that mimic the effects of tetrahydrocannabinol (THC). They act on the same pathways in the brain as regular marijuana, and standard drug tests do not easily detect many of the chemicals used in these products.

These synthetic cannabinoids have been placed into Schedule 1 by the Drug Enforcement Administration, as “necessary to avoid imminent hazard to the public safety” due to high abuse potential and lack of medical use.

Our expanded Synthetic Cannabinoid test profile quantitates the presence of the below compound’s metabolites, in urine samples. Our laboratory regularly updates the test menu as new compounds become available in the marketplace:

<u>Parent Compound</u>	<u>Metabolite</u>	<u>Cut offs</u>
JWH-018/AM-2201	JWH-018 N-pentanoic acid	0.25 ng/ml
JWH-018/AM-2201	JWH-073 N-butanoic acid	0.25 ng/ml
UR-144/XLR-11	UR - 144 N-pentanoic acid	0.5 ng/ml
AKB-48 - (APINACA)	AKB48 N-pentanoic acid	0.25 ng/ml
BB-22	BB-22-3-carboxyindole	0.5 ng/ml
PB-22 - (CUPIC)	PB-22-3-carboxyindole	0.5 ng/ml
5-Fluoro-PB-22 - (5F-PB-22)	5-Fluoro PB-22-3-carboxyindole	0.25 ng/ml
AB-FUBINACA	AB - FUBINACA oxobutanoic acid	1.0 ng/ml
ADB-PINACA	ABA- PINACA N- pentanoic acid	0.25 ng/ml
AB CHMINACA	AB CHIMINACA 3-methyl- butanoic acid ("M2")	0.25 ng/ml
AB PINACA/5-F-AB-PINACA	AB PINACA N-pentanoic acid	0.25 ng/ml
ADBICA	ABICA N-pentanoic acid	0.25 ng/ml

Test Code	Test Name	Method	Turnaround Time	CPT Code
902175	Synthetic Cannabinoids	LCMS/MS	1 business day	G0480

Test Name	Specimen Requirements	Stability
Synthetic Cannabinoids (K2, Spice)	Fresh Urine samples should be collected in plastic or glass container. Optimal Amount - 10 mL urine Minimal Amount - 5.0 mL urine	Biological specimens should be stored at room temperature for maximum of 30 days. For >30 days specimen should be stored frozen at -20°C.

This test offering will address the needs of many of our physicians and clients. For more information, please contact your sales representative. Our technical staff is also available for consultation, as needed.



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