

MEPHEDRONE AND mdpv

Clinical Information

MEDTOX Laboratories is excited to announce the addition of new quantitative tests designed to detect the use of the synthetic drugs mephedrone and methylenedioxypyrovalerone (MDPV). Mephedrone is known by the names 4-methylmethylcathinone, meph, drone, MCAT, and meow meow. MDPV is best known as the active ingredient in the product "ivory wave". Both compounds have been found sold as bath salts, and plant food, and also have somewhat inappropriately been labeled as synthetic cocaine. Both compounds are purely synthetic, produced in clandestine laboratories as well as overseas. Their pharmacological activity is believed similar to the hallucinogenic stimulant MDMA. The drugs are generally abused by users under the age of 25 and are frequently associated with other rave or club drugs.

The MEDTOX Laboratories test for mephedrone and MDPV is a fully validated, quantitative test for detecting and measuring both compounds in urine down to concentrations of 1 ng/mL. The method utilizes a state of the art high, performance liquid chromatography – tandem mass spectrometry technique.

Test # 2786

Synonyms Meph, Drone, MCAT, ivory wave, bath salts, plant food, synthetic cocaine

Category Hallucinogenic Stimulant

Indication/Use No known legitimate use

Specimen Requirements

Specimen Unpreserved Urine

Volume 3 mL

Handling Ambient temperature for shipping and short-term storage (3 days); specimen may be refrigerated or frozen

Assay Parameters

Methodology Liquid Chromatography with Tandem Mass Spectrometry (LC-MS/MS)

CPT code 82542

Interpretation Mephedrone and MDPV
Reporting Limit: 1.0 ng/mL