

## *Toxicology Report Supplement*

### **ROUTINE DRUG SCREEN:**

Most samples (except probation violation samples) undergo a general drug confirmation test in addition to the following screening panels:

Methamphetamine, Methadone, Cannabinoids (Cannabis), Cocaine Metabolite, Opiate Class Compounds, Benzodiazepine Class Compounds (additional compounds may also be included), Barbiturate Class Compounds (depending on laboratory)

All positive results reported have been confirmed by GC-MS or LC-MS QQQ.

### **UPON REQUEST:**

Alcohol / Inhalants (e.g. Toluene and Xylenes) – this testing should be done first. Call the laboratory if you need this done following toxicology analysis.

Pharmaceutical preparations not covered under routine drug screen (e.g. diphenhydramine, PCP, ketamine, zolpidem). GHB screening in urine is available upon request; no confirmation of GHB in urine or blood is possible with ISP Forensic Services' current methods.

### **COMMENTS:**

1. A negative finding does not indicate that no drug was present; only that it was not detected by our testing protocols.
2. A positive Cannabinoid result indicates that the subject has been exposed to cannabinoids (cannabis).
3. The current blood toxicology analytical methods used by ISP Forensic Services are limited in the types and concentrations of benzodiazepines, opiates and/or substituted cathinones ("bath salts") that can be confirmed.
4. ISP Forensic Services is currently unable to detect several compounds or classes of compounds in toxicology samples. One such class of compounds is cannabimimetic substances and/or their metabolites; these substances are commonly known as "spice" or "synthetic cannabinoids." Other compounds that ISP Forensic Services is currently unable to detect are gamma hydroxybutyric acid (GHB) in blood, and lysergic acid diethylamide (LSD) and synthetic LSD (NBOMe series drugs) in blood and urine.
5. Due to the variable pharmacological factors which affect drug metabolism (drug dose, route of administration, and rates of metabolism and excretion), determination of time since use and the level of impairment cannot be established solely on the basis of the results of the blood or urine testing.
6. For DUI, the blood or urine results should be considered in conjunction with observations of impairment.
7. ISP Forensic Services does not perform testing for sugar levels, insulin, or any metals (such as lithium, mercury or arsenic) in either blood or urine.

### **STORAGE OF TOXICOLOGY COLLECTION KITS:**

It is the best practice to store urine and blood specimens refrigerated, at minimum, to prevent degradation of any drug compounds present in the sample. Urine samples may be frozen; please freeze with the specimen cup lid in the upright position whenever possible. DO NOT freeze kits containing blood tubes, as they will break.