# ARUP LABORATORIES

**2007479**    **Drug Profile, Targeted by Tandem Mass Spectrometry and Enzyme Immunoassay, Urine**                    **PAIN HYB U**

**Reference Interval:**    Effective February 16, 2021

**Drugs covered and range of cutoff concentrations.**
**Note: Some drugs are identified based on the presence of unique drug metabolites not listed below.**

| Drugs/Drug Classes | Range of Cutoff Concentrations |
|---|---|
| **Barbiturates** | 200 ng/mL |
| **Benzodiazepine-like:** <br> alprazolam, clonazepam, diazepam, lorazepam, midazolam, nordiazepam, oxazepam, temazepam, zolpidem | 20-60 ng/mL |
| **Cannabinoids (11-nor-9-carboxy-THC)** | 20 ng/mL |
| **Ethyl Glucuronide** | 500 ng/mL |
| **Muscle Relaxant(s):** <br> carisoprodol, meprobamate | 100 ng/mL |
| **Opiates/Opioids:** <br> buprenorphine, codeine, fentanyl, heroin, hydrocodone, hydromorphone, meperidine, methadone, morphine, naloxone, oxycodone, oxymorphone, tapentadol, tramadol | 2-200 ng/mL |
| **GABA analogues:** <br> Gabapentin, pregabalin | 100 ng/mL |
| **Phencyclidine (PCP)** | 25 ng/mL |
| **Stimulants:** <br> amphetamine, cocaine, methamphetamine, methylphenidate, MDMA (Ecstasy), MDEA (Eve), MDA, phentermine | 50-200 ng/mL |

**HOTLINE NOTE:** There is a clinically significant charting name change associated with this test.
Change the charting name for component 2007647, Hydromorphone (cutoff 40 ng/mL) from Hydromorphone (cutoff 40 ng/mL) to Hydromorphone (cutoff 20 ng/mL).
Change the charting name for component 2007662, Amphetamine (cutoff 100 ng/mL) from Amphetamine (cutoff 100 ng/mL) to Amphetamine (cutoff 50 ng/mL).
Change the charting name for component 2007663, Methamphetamine (cutoff 400 ng/mL) from Methamphetamine (cutoff 400 ng/mL) to Methamphetamine (cutoff 200 ng/mL).
There is a component change associated with this test.
Add component 3003502, Naloxone (cutoff 100 ng/mL)
Add component 3003499, Alpha-OH-Midazolam (cutoff 20 ng/mL)
Add component 3003500, Zolpidem Metabolite (cutoff 100 ng/mL)
Add component 3003501, Gabapentin (cutoff 100 ng/mL)
Add component 3003503, Pregabalin (cutoff 100 ng/mL)
Remove component 2007659, Propoxyphene (cutoff 300 ng/mL)