Timely detection of in utero drug exposure is critical for managing intoxication, withdrawal syndrome, and the long-term social and medical needs of exposed neonates. ARUP offers two test options for neonatal drug testing: Meconium and Umbilical cord.
**MECONIUM**

**ARUP TEST CODE 0092516**

Meconium is the traditional specimen used to detect and document maternal drug use during pregnancy in the last trimester of a full-term birth. ARUP’s neonatal drug testing in meconium is a qualitative immunoassay screen for nine drug classes. Specimens testing positive for one or more drugs are reflexed to highly sensitive and specific mass spectrometry technology for confirmation.

**UMBILICAL CORD TISSUE**

**ARUP TEST CODE 2006621**

Umbilical cord tissue is a relatively new specimen to detect and document maternal drug use during pregnancy in the last trimester of a full-term birth. ARUP’s neonatal drug testing in umbilical cord tissue is based on highly sensitive and specific qualitative liquid chromatography and tandem mass spectrometry (LC-MS/MS) for all analytes.

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**DRUGS AND DRUG METABOLITES REPORTED**

**OPIOIDS**
- buprenorphine
- norbuprenorphine
- methadone
- methadone metabolite (EDDP)
- heroin metabolite (6-acetylmorphine)
- morphine
- codeine
- hydromorphone
- hydrocodone
- oxycodone
- oxymorphone
- morphine metabolites: benzoylecgonine, m-hydroxybenzoylecgonine, cocaethylene

**SEDATIVES/HYPNOTICS**
- alprazolam
- a-hydroxyalprazolam
- clonazepam
- 7-amino clonazepam
- diazepam
- nordiazepam
- oxazepam
- temazepam
- lorazepam
- midazolam
- phenobarbital
- cannabis (THC) metabolite

**OThop**
- clonazepam
- lorazepam
- midazolam
- nordiazepam
- oxazepam
- temazepam
- zolpidem
- cannabis (THC) metabolite

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**DRUGS AND DRUG METABOLITES REPORTED**

**OPIOIDS**
- buprenorphine
- norbuprenorphine
- buprenorphine glucuronide
- methadone
- methadone metabolite (EDDP)
- heroin metabolite (6-acetylmorphine)
- morphine
- codeine
- dihydrocodeine
- hydrocodone
- norhydrocodone
- hydromorphone
- oxycodone
- noroxycodone
- oxymorphone
- noroxymorphone
- tramadol
- n-desmethyl tramadol
- o-desmethyl-tramadol
- tapentadol
- meperidine
- fentanyl
- propoxyphene
- naloxone
- methamphetamine
- amphetamine
- MDMA (Ecstasy)
- cocaine
- cocaine metabolites: benzoylecgonine, m-hydroxybenzoylecgonine, cocaethylene

**SEDATIVES/HYPNOTICS**
- alprazolam
- a-hydroxyalprazolam
- clonazepam
- 7-amino clonazepam
- diazepam
- nordiazepam
- oxazepam
- temazepam
- lorazepam
- midazolam
- phenobarbital
- cannabis (THC) metabolite

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**ETHYL GLUCURONIDE, UMBILICAL CORD TISSUE**

**ARUP TEST CODE 3000443**

**MARIJUANA METABOLITE, UMBILICAL CORD TISSUE**

**ARUP TEST CODE 3000256**

[www.aruplab.com/newborn-drug-testing](http://www.aruplab.com/newborn-drug-testing)