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 newborn specimen types to support neonatal drug testing: Meconium and Umbilical cord.

# Newborn Drug Testing









testing at ARUP Laboratories



www.aruplab.com

### **ARUP LABORATORIES**

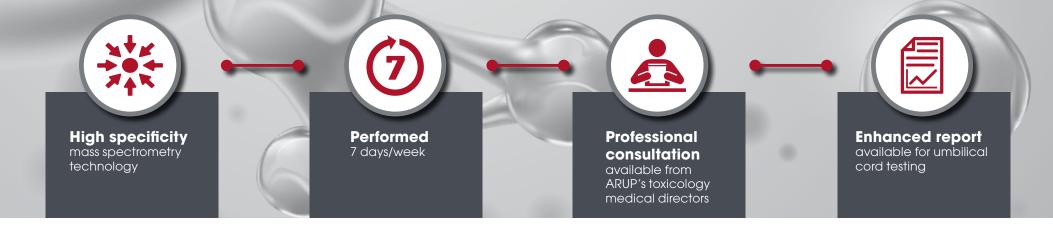
500 Chipeta Way Salt Lake City, UT 84108-1221 Phone: (800) 522-2787 Fax: (801) 583-2712

keyword: Newborn Drug Testing

A nonprofit enterprise of the University of Utah and its Department of Pathology

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# **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.

## DRUGS AND DRUG METABOLITES REPORTED

#### **OPIOIDS**

buprenorphine norbuprenorphine methadone methadone metabolite (EDDP) heroin metabolite (6-acetylmorphine) morphine codeine

oxymorphone **STIMULANTS** methamphetamine amphetamine MDA MDEA (Eve) MDMA (Ecstasy)

hydrocodone

oxycodone

cocaine

cocaine metabolites: benzoylecgonine m-hydroxybenzoylecgonine cocaethylene

#### SEDATIVES/HYPNOTICS

alprazolam a-hydroxyalprazolam butalbital clonazepam 7-amino clonazepam

MDMA (Ecstasy)

benzoylecgonine

cocaethylene

phentermine

cocaine metabolites:

m-hydroxybenzoylecgonine

cocaine

diazepam nordiazepam oxazepam temazepam lorazepam midazolam phenobarbital **OTHER** 

cannabis (THC) metabolite phencyclidine (PCP)

## 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.

## DRUGS AND DRUG METABOLITES REPORTED

#### **OPIOIDS**

hydromorphone

buprenorphine norbuprenorphine 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 fentanvl propoxyphene naloxone **STIMULANTS** methamphetamine

amphetamine

SEDATIVES/HYPNOTICS 7-amino clonazepam a-hydroxyalprazolam a-hydroxymidazolam alprazolam butalbital clonazepam

diazepam lorazepam midazolam nordiazepam oxazepam phenobarbital temazepam zolpidem **OTHER** gabapentin

phencyclidine (PCP) ethanol metabolite\*

cannabis (THC) metabolite\*\*

\*ETHYL GLUCURONIDE. UMBILICAL CORD TISSUE \*\*MARIJUANA METABOLITE, UMBILICAL CORD TISSUE ARUP TEST CODE 3000443 ARUP TEST CODE 3000256