

Timely detection of in utero drug exposure is critical for managing intoxication, withdrawal syndrome, and long-term social and medical needs of exposed neonates. ARUP performs neonatal drug testing on two newborn specimen types: meconium and umbilical cord tissue.



Choose the best testing option for your facility.  
**Learn more:**

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

# Newborn Drug Testing

Testing at ARUP Laboratories



[aruplab.com](https://aruplab.com)

**ARUP LABORATORIES**  
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keyword: Newborn Drug Testing

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

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**High Specificity and Sensitivity**  
mass spectrometry technology



**Performed**  
7 days/week

**Client Services**  
available 24/7



**Professional Consultation**  
available from ARUP's toxicology medical directors



**Enhanced Report and Drug Positivity Dashboard**  
available

## PANELS

DRUG DETECTION PANEL, MECONIUM, QUALITATIVE  
**ARUP Test Code 3004583**

DRUG DETECTION PANEL AND THC METABOLITE, MECONIUM, QUALITATIVE  
**ARUP Test Code 3006373**

DRUG DETECTION PANEL, UMBILICAL CORD TISSUE, QUALITATIVE  
**ARUP Test Code 2006621**

DRUG DETECTION PANEL AND THC METABOLITE, UMBILICAL CORD TISSUE, QUALITATIVE  
**ARUP Test Code 3006371**

Meconium and umbilical cord tissue are used to detect and document maternal drug use during the last trimester of a full-term pregnancy. ARUP's neonatal drug testing in meconium and 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

Buprenorphine	Oxycodone
Norbuprenorphine	Noroxycodone
methadone	Oxymorphone
Methadone metabolite (EDDP)	Noroxymorphone
Heroin metabolite (6-acetylmorphine)	Tramadol
Morphine	N-desmethyltramadol
Codeine	O-desmethyltramadol
Dihydrocodeine	Tapentadol
Hydrocodone	Meperidine
Norhydrocodone	Fentanyl
Hydromorphone	Propoxyphene (umbilical cord only)
	Naloxone

### SEDATIVES/HYPNOTICS

7-aminoclonazepam	Lorazepam
α-hydroxyalprazolam	Midazolam
α-hydroxymidazolam	Nordiazepam
Alprazolam	Oxazepam
Butalbital	Phenobarbital
Clonazepam	Temazepam
Diazepam	Zolpidem

### STIMULANTS

Methamphetamine	Cocaine
Amphetamine	Cocaine metabolites: benzoylcegonine
MDMA (Ecstasy)	m-hydroxybenzoylcegonine
Methylphenidate (meconium only)	Phentermine

### OTHER

Gabapentin	Kratom (add-on option for umbilical cord)
Phencyclidine (PCP)	Mitragynine (included in meconium panels)
THC Metabolite (included in 3006371 and 3006373 or add-on option)	Speciociliatine
	Ethanol Metabolite (add-on option for umbilical cord)

## ADD-ON TESTS

TETRAHYDROCANNABINOL (THC) METABOLITE, MECONIUM, QUALITATIVE  
**ARUP Test Code 0092316**

ETHYL GLUCURONIDE, UMBILICAL CORD TISSUE, QUALITATIVE  
**ARUP Test Code 3000443**

TETRAHYDROCANNABINOL (THC) METABOLITE, UMBILICAL CORD TISSUE, QUALITATIVE  
**ARUP Test Code 3000256**

KRATOM, UMBILICAL CORD TISSUE, QUALITATIVE  
**ARUP Test Code 3005874**

To access detailed testing information and comparisons, visit:

**[aruplab.com/newborn-drug-testing](https://aruplab.com/newborn-drug-testing)**