

# Umbilical Cord Tissue Drug Testing

ARUP Test Codes  
3006371 and 2006621



## WHY CHOOSE UMBILICAL CORD TISSUE FOR TESTING?

- Immediately available from every baby and easily collected at birth
- Three-week refrigerated stability allows clinicians to decide when and if to test.
- Option for universal collection can remove bias regarding patients.
- Used to identify more than 50 drugs and metabolites\*
- Positivity rates benchmarked against state and national averages

## DRUGS AND DRUG METABOLITES REPORTED

### OPIOIDS

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

### SEDATIVES/HYPNOTICS

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

### STIMULANTS

Methamphetamine  
Amphetamine  
MDMA (Ecstasy)  
Cocaine  
Cocaine metabolites:

- Benzoylcegonine
- M-hydroxybenzoylcegonine
- Cocaethylene

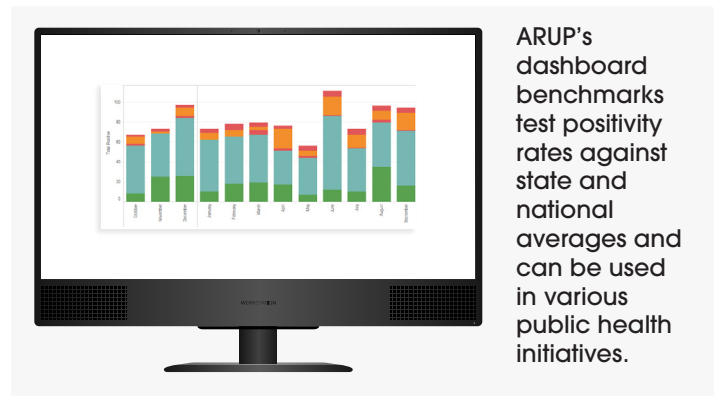
Phentermine

### OTHER

Gabapentin  
Phencyclidine (PCP)  
THC metabolite (included  
in 3006371)

### ADD-ON TESTS

THC metabolite  
Ethanol metabolite  
Kratom (mitragynine  
and speciociliatine)



\*ARUP regularly evaluates new drugs for inclusion in newborn testing.



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

To view collection  
instructions and  
instructional video, visit:



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