

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* by liquid chromatography-tandem mass spectrometry
- 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:

- Benzoyllecgonine
- M-hydroxybenzoyllecgonine
- Cocaethylene

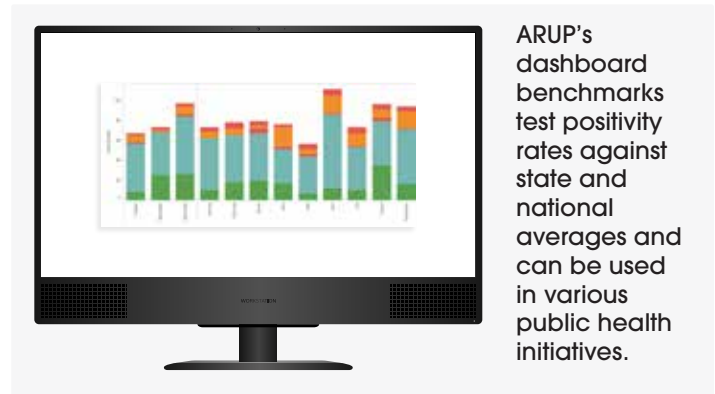
Phentermine

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)