

Patient: [REDACTED]
 DOB: [REDACTED] Age: 0 Sex: M
 Patient Identifiers: [REDACTED]
 Visit Number (FIN): [REDACTED]

Client: [REDACTED]
 Physician: [REDACTED]

ARUP Test Code: 3006371
 Collection Date: [REDACTED]
 Received in lab: 04/01/2025
 Completion Date: 04/02/2025

Patient Results*

Collection Date	[REDACTED]
--Norbuprenorphine	Present
Naloxone	Present

* For details, see report on following page(s).

Interpretive Comments

INTERPRETIVE INFORMATION: Drug Detection Panel, Umbilical Cord

Methodology: Qualitative Liquid Chromatography/Tandem Mass Spectrometry

Detection of drugs in umbilical cord tissue is intended to reflect maternal drug use during approximately the last trimester of a full-term pregnancy. The pattern and frequency of drug(s) used by the mother cannot be determined by this test. A negative result does not exclude the possibility that a mother used drugs during pregnancy. Detection of drugs in umbilical cord tissue depends on extent of maternal drug use, as well as drug stability, unique characteristics of drug deposition in umbilical cord tissue, and the performance of the analytical method. Drugs administered during labor and delivery may be detected. Detection of drugs in umbilical cord tissue does not insinuate impairment and may not affect outcomes for the infant. Interpretive questions should be directed to the laboratory.

Refer to the test directory for additional umbilical cord testing options.

For medical purposes only; not valid for forensic use.

INTERPRETIVE INFORMATION: Carboxy-THC, Cord

Positive cutoff: 0.2 ng/g
 Methodology: Mass Spectrometry

This test is designed to detect and document exposure that occurred during approximately the last trimester of a full term pregnancy, to a common metabolite of THC (which may be present in cannabis products). Alternative testing is available to detect other drug exposures. The pattern and frequency of drug(s) used by the mother cannot be determined by this test. A negative result does not exclude the possibility that a mother used drugs during pregnancy. Detection of drugs in umbilical cord tissue depends on extent of maternal drug use, as well as drug stability, unique characteristics of drug deposition in umbilical cord tissue, and the performance of the analytical method. Drugs administered during labor and delivery may be detected. Detection of drugs in umbilical cord tissue does not insinuate impairment and may not affect outcomes for the infant. Interpretive questions should be directed to the laboratory.

This test does not distinguish between the delta-8 and delta-9



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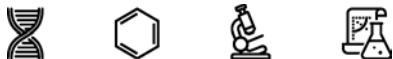
Drug Detection Panel and THC Metabolite, Umbilical Cord Tissue, Qualitative

Patient: [REDACTED] | Date of Birth: [REDACTED] | Sex: M | Physician: [REDACTED]
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forms of THC or their metabolites. For medical purposes only;
not valid for forensic use.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

For further information, visit: arupconsult.com/content/newborn-drug-testing



Drug Detection Panel and THC Metabolite, Umbilical Cord Tissue, Qualitative

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Drug Analyte	Result	Cutoff	Notes
OPIOIDS, UMBILICAL CORD			
Buprenorphine	Not Detected	1 ng/g	eg, Buprenex; Subutex; Suboxone (with naloxone)
--Norbuprenorphine	Present	0.5 ng/g	buprenorphine metabolite
Codeine	Not Detected	0.5 ng/g	
Morphine	Not Detected	0.5 ng/g	also a metabolite of Codeine
6-Acetylmorphine	Not Detected	1 ng/g	heroin metabolite; morphine is expected
Hydrocodone	Not Detected	0.5 ng/g	also a minor metabolite of codeine; possible impurity of oxycodone
--Dihydrocodeine	Not Detected	1 ng/g	hydrocodone metabolite
--Norhydrocodone	Not Detected	1 ng/g	hydrocodone metabolite
Hydromorphone	Not Detected	0.5 ng/g	eg, Dilaudid; also a metabolite of hydrocodone, and a minor metabolite of morphine
Fentanyl	Not Detected	0.5 ng/g	
Meperidine	Not Detected	2 ng/g	eg, Demerol
Methadone	Not Detected	2 ng/g	
--EDDP	Not Detected	1 ng/g	methadone metabolite
Oxycodone	Not Detected	0.5 ng/g	eg, Oxycontin
--Noroxycodone	Not Detected	1 ng/g	oxycodone metabolite
Oxymorphone	Not Detected	0.5 ng/g	eg, Opana; also a metabolite of oxycodone
--Noroxymorphone	Not Detected	0.5 ng/g	oxymorphone metabolite; also potential metabolite of oxycodone
Naloxone	Present	1 ng/g	opioid antagonist
Propoxyphene	Not Detected	1 ng/g	eg, Darvon
Tapentadol	Not Detected	2 ng/g	eg, Nucynta
Tramadol	Not Detected	2 ng/g	eg, Ultram; ConZip
--N-desmethyltramadol	Not Detected	2 ng/g	tramadol metabolite
--O-desmethyltramadol	Not Detected	2 ng/g	tramadol metabolite
STIMULANTS, UMBILICAL CORD			
Amphetamine	Not Detected	5 ng/g	eg, Vyvanse; Adderall; also a metabolite of methamphetamine; d- and l-isomers are not distinguished by this test
Methamphetamine	Not Detected	5 ng/g	d- and l- isomers are not distinguished by this test
MDMA - Ecstasy	Not Detected	5 ng/g	
Cocaine	Not Detected	1 ng/g	
--Benzoylecgonine	Not Detected	1 ng/g	cocaine metabolite
--m-OH-Benzoylecgonine	Not Detected	1 ng/g	cocaine metabolite



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Drug Analyte	Result	Cutoff	Notes
--Cocaethylene	Not Detected	1 ng/g	cocaine metabolite formed in the presence of ethanol
Phentermine	Not Detected	8 ng/g	
SEDATIVES-HYPNOTICS, UMBILICAL CORD			
Alprazolam	Not Detected	0.5 ng/g	eg, Xanax
--Alpha-OH-Alprazolam	Not Detected	0.5 ng/g	alprazolam metabolite
Butalbital	Not Detected	25 ng/g	eg, Bupap (with acetaminophen); Fioricet (with acetaminophen and caffeine)
Clonazepam	Not Detected	1 ng/g	eg, Klonopin
--7-Aminoclonazepam	Not Detected	1 ng/g	clonazepam metabolite
Lorazepam	Not Detected	5 ng/g	eg, Ativan
Midazolam	Not Detected	1 ng/g	eg, Versed
--Alpha-OH-Midazolam	Not Detected	2 ng/g	midazolam metabolite
Diazepam	Not Detected	1 ng/g	eg, Valium
Nordiazepam	Not Detected	1 ng/g	metabolite of chlordiazepoxide (Librium), clorazepate (Tranxene), diazepam, halazepam (Alapryl), prazepam (Centrax) and others
Oxazepam	Not Detected	2 ng/g	eg, Serax; also metabolite of nordiazepam and temazepam
Temazepam	Not Detected	1 ng/g	eg, Restoril; also a metabolite of diazepam
Phenobarbital	Not Detected	75 ng/g	eg, Luminal; Donnatal (with atropine, hyoscyamine and scopolamine)
Zolpidem	Not Detected	0.5 ng/g	eg, Ambien
OTHER, UMBILICAL CORD			
Phencyclidine- PCP	Not Detected	1 ng/g	phencyclidine
Gabapentin	Not Detected	10 ng/g	eg, Neurontin or Gralise
Carboxy-THC	Not Detected	ng/g	11-Nor-9-carboxy-THC, a marijuana metabolite

Additional Information

ABBREVIATIONS

MDMA - 3,4-methylenedioxy-N-methylamphetamine
 EDDP - 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine



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