

500 Chipeta Way, Salt Lake City, Utah 84108-1221

phone: 801-583-2787, toll free: 800-522-2787

Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex: 38 years Female

Specimen Collected: 15-Mar-23 07:09

Panel and THC, Umbilical Cord, Qual | Received: 15-Mar-23 07:10 Report/Verified: 15-Mar-23 07:20

Procedure	Result	Units	Reference Interval
Gabapentin, Cord, Qual	Present	ng/g	[Cutoff 10]
THC-COOH, Cord, Qual	Present <sup>i1</sup>	ng/g	[Cutoff 0.2]
Buprenorphine, Cord, Qual	Present	ng/g	[Cutoff 1]
Norbuprenorphine, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Codeine, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Morphine, Cord, Qual	Present	ng/g	[Cutoff 0.5]
6-Acetylmorphine, Cord, Qual	Present	ng/g	[Cutoff 1]
Hydrocodone, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Dihydrocodeine, Cord, Qual	Present	ng/g	[Cutoff 1]
Norhydrocodone, Cord, Qual	Present	ng/g	[Cutoff 1]
Hydromorphone, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Fentanyl, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Meperidine, Cord, Qual	Present	ng/g	[Cutoff 2]
Methadone, Cord, Qual	Present	ng/g	[Cutoff 2]
Methadone Metabolite, Cord, Qual	Present	ng/g	[Cutoff 1]
Oxycodone, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Noroxycodone, Cord, Qual	Present	ng/g	[Cutoff 1]
Oxymorphone, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Noroxymorphone, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Naloxone, Cord, Qual	Present	ng/g	[Cutoff 1]
Propoxyphene, Cord, Qual	Present	ng/g	[Cutoff 1]
Tapentadol, Cord, Qual	Present	ng/g	[Cutoff 2]
Tramadol, Cord, Qual	Present	ng/g	[Cutoff 2]
N-desmethyiltramadol, Cord, Qual	Present	ng/g	[Cutoff 2]
O-desmethyiltramadol, Cord, Qual	Present	ng/g	[Cutoff 2]
Amphetamine, Cord, Qual	Present	ng/g	[Cutoff 5]
Methamphetamine, Cord, Qual	Present	ng/g	[Cutoff 5]
Benzoyllecgonine, Cord, Qual	Present	ng/g	[Cutoff 0.5]
m-OH-Benzoyllecgonine, Cord, Qual	Present	ng/g	[Cutoff 1]
Cocaethylene, Cord, Qual	Present	ng/g	[Cutoff 1]
Cocaine, Cord, Qual	Present	ng/g	[Cutoff 0.5]
MDMA-Ecstasy, Cord, Qual	Present	ng/g	[Cutoff 5]
Phentermine, Cord, Qual	Present	ng/g	[Cutoff 8]
Alprazolam, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Alpha-OH-Alprazolam, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Butalbital, Cord, Qual	Present	ng/g	[Cutoff 25]
Clonazepam, Cord, Qual	Present	ng/g	[Cutoff 1]
7-Aminoclonazepam, Cord, Qual	Present	ng/g	[Cutoff 1]
Diazepam, Cord, Qual	Present	ng/g	[Cutoff 1]
Lorazepam, Cord, Qual	Present	ng/g	[Cutoff 5]
Midazolam, Cord, Qual	Present	ng/g	[Cutoff 1]

\* = Abnormal, # = Corrected, C = Critical, f = Result Footnote, H = High, i = Test Information, L = Low, t = Interpretive Text, @ = Performing lab

Unless otherwise indicated, testing performed at:

## ARUP Laboratories

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Jonathan R. Genzen, MD, PhD

ARUP Accession: 23-074-900012

Report Request ID: 17728310

Printed: 15-Mar-23 07:37

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Panel and THC, Umbilical Cord, Qual | Received: 15-Mar-23 07:10 Report/Verified: 15-Mar-23 07:20

Procedure	Result	Units	Reference Interval
Alpha-OH-Midazolam, Cord, Qual	Present	ng/g	[Cutoff 2]
Nordiazepam, Cord, Qual	Present	ng/g	[Cutoff 1]
Oxazepam, Cord, Qual	Present	ng/g	[Cutoff 2]
Temazepam, Cord, Qual	Present	ng/g	[Cutoff 1]
Phenobarbital, Cord, Qual	Present	ng/g	[Cutoff 75]
Zolpidem, Cord, Qual	Present	ng/g	[Cutoff 0.5]
Phencyclidine-PCP, Cord, Qual	Present	ng/g	[Cutoff 1]
Drug Detection Panel, Umbilical Cord	See Below <sup>i2</sup>		
EER Drug Panel and THC, Umbilical Cord	EERUnavailable		

### Test Information

i1: THC-COOH, Cord, Qual

INTERPRETIVE INFORMATION: Marijuana Metabolite, Umbilical Cord Tissue, Qualitative

Methodology: Qualitative Liquid Chromatography-Tandem 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 cannabis (marijuana) metabolite. 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 was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

i2: Drug Detection Panel, Umbilical Cord

INTERPRETIVE INFORMATION: Drug Detection Panel, Umbilical Cord Tissue, Qualitative

Methodology: Qualitative Liquid Chromatography/Tandem Mass Spectrometry

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**Test Information**

i2: Drug Detection Panel, Umbilical Cord  
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.

For marijuana metabolite, order Marijuana Metabolite, Umbilical Cord Tissue, Qualitative (ARUP test code 3000256). For alcohol metabolite, order Ethyl Glucuronide, Umbilical Cord Tissue, Qualitative (ARUP test code 3000443).

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