

TEST CHANGE

Drug Detection Panel, Umbilical Cord Tissue, Qualitative

2006621, TOF SCR CD

Specimen Requirements:

Patient Preparation:

Collect: Umbilical Cord (At least 8 inches, approximately the width of a sheet of paper.)

Specimen Preparation: Drain and discard any blood. Rinse the exterior of the cord segment with normal saline or water. Pat the cord dry and transport at least 8 inches of umbilical cord in a routine urine collection cup or Security Kit for Meconium/Umbilical Drug Detection (ARUP supply #51548) available online through eSupply using ARUP Connect(TM) or by contacting ARUP Client Services at (800) 522-2787.

Transport Temperature: Refrigerated.

Unacceptable Conditions: Cords soaking in blood or other fluid. Formalin fixed. Tissue that is obviously decomposed.

Remarks:

Stability: Ambient: 1 week; Refrigerated: 3 weeks; Frozen: 1 year

Methodology: Qualitative Liquid Chromatography-Tandem Mass Spectrometry

Performed: Sun-Sat

Reported: 1-3 days

Note: Absolute Minimum: 6 inches. 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). For kratom metabolite, order Kratom, Umbilical Cord, Qualitative (ARUP test code 3005874) When ordering multiple umbilical ~~When ordering all three umbilical cord tests, unless ARUP is otherwise notified, testing will be performed in the following order of priority: Drug Detection Panel (1.0g) Marijuana Metabolite (1.0g) Ethyl Glucuronide (1.0g) Kratom(1.0 g)~~

CPT Codes: 80326; 80347; 80364; 80355 (Alt code: G0481)

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

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.

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.

Reference Interval:

Effective February 20, 2018

Drugs covered and range of cutoff concentrations.			
Drugs/Drug Classes	Cutoff Concentrations (ng/g)	Drugs/Drug Classes	Cutoff Concentrations (ng/g)
Buprenorphine	1	Amphetamine	5
Norbuprenorphine	0.5	Benzoyllecgonine	1 0.5
		m-OH-Benzoyllecgonine	1
Codeine	0.5	Cocaethylene	1
Dihydrocodeine	1	Cocaine	1 0.5
Fentanyl	0.5	MDMA (Ecstasy)	5
Hydrocodone	0.5	Methamphetamine	5
Norhydrocodone	1	Phentermine	8
Hydromorphone	0.5	Alprazolam	0.5
Meperidine	2	Alpha-OH-Alprazolam	0.5
Methadone	2	Butalbital	25
Methadone metabolite	1	Clonazepam	1
6-Acetylmorphine	1	7-Aminoclonazepam	1
Morphine	0.5	Diazepam	1
Naloxone	1	Lorazepam	5
Oxycodone	0.5	Midazolam	1
Noroxycodone	1	Alpha-OH-Midazolam	2
Oxymorphone	0.5	Nordiazepam	1
Noroxymorphone	0.5	Oxazepam	2
Propoxyphene	1	Phenobarbital	75
Tapentadol	2	Temazepam	1
Tramadol	2	Zolpidem	0.5
N-desmethyltramadol	2	Phencyclidine (PCP)	1
O-desmethyltramadol	2	Gabapentin	10