ARUP Laboratories
500 Chipeta Way – Salt Lake City, UT 84108
(800)522-2787 - www.aruplab.com Julio C.Delgado, M.D. M.S., Director of Laboratories

Patient Age/Gender: 3 days Male Printed: 13-Dec-17 07:56:44

Procedure	Result	Units	Ref Interval	
Buprenorphine, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Norbuprenorphine, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Buprenorphine-G, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Codeine, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Morphine, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
6-Acetylmorphine, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Hydrocodone, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Dihydrocodeine, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Norhydrocodone, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Hydromorphone, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Fentanyl, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Meperidine, Cord, Qual	Not Detected	ng/g	[Cutoff 2]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Methadone, Cord, Qual	Not Detected	ng/g	[Cutoff 2]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Methadone Metabolite, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Oxycodone, Cord, Qual	Present	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:51:00
Noroxycodone, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:51:00
Oxymorphone, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Noroxymorphone, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Naloxone, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Propoxyphene, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Tapentadol, Cord, Qual	Not Detected	ng/g	[Cutoff 2]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Tramadol, Cord, Qual	Not Detected	ng/g	[Cutoff 2]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
N-desmethyltramadol, Cord, Qual	Not Detected	ng/g	[Cutoff 2]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
O-desmethyltramadol, Cord, Qual	Not Detected	ng/g	[Cutoff 2]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Amphetamine, Cord, Qual	Not Detected	ng/g	[Cutoff 5]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Methamphetamine, Cord, Qual	Not Detected	ng/g	[Cutoff 5]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Benzoylecgonine, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	
m-OH-Benzoylecgonine, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Cocaethylene, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Cocaine, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
MDMA- Ecstasy, Cord, Qual	Not Detected	ng/g	[Cutoff 5]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Phentermine, Cord, Qual	Not Detected	ng/g	[Cutoff 8]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Alprazolam, Cord, Qual	Present	ng/g	[Cutoff 0.5]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Alpha-OH-Alprazolam, Cord, Qual	Not Detected	ng/g	[Cutoff 0.5]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Butalbital, Cord, Qual	Not Detected	ng/g	[Cutoff 25]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Clonazepam, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
7-Aminoclonazepam, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Diazepam, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Lorazepam, Cord, Qual	Not Detected	ng/g	[Cutoff 5]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Midazolam, Cord, Qual	Present	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Alpha-OH-Midazolam, Cord, Qual	Not Detected	ng/g	[Cutoff 2]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
Nordiazepam, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	07:51:00 07:51:00 07:55:19 17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17
	not bettered	±±3/3	[CGCOIL I]	07:51:00 07:51:00 07:55:19

Chart ID: 12582390 Page 1 of 2 **ARUP** Laboratories

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Patient Age/Gender: 3 days Male Printed: 13-Dec-17 07:56:44

<u>Procedure</u> Oxazepam, Cord, Qual	Result Not Detected	<u>Units</u> ng/g	Ref Interval [Cutoff 2]	Accession Collected Received Verified 17-347-900057 13-Dec-17 15-Dec-17 15-Dec-17 15-Dec-1
Temazepam, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Phenobarbital, Cord, Qual	Not Detected	ng/g	[Cutoff 75]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Zolpidem, Cord, Qual	Present	ng/g	[Cutoff 0.5]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Phencyclidine- PCP, Cord, Qual	Not Detected	ng/g	[Cutoff 1]	17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
Drug Detection Panel, Umbilical Cord	See Below			17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19
EER Drug Detection Pan, Umbilical Cord	See Note f			17-347-900057 13-Dec-17 13-Dec-17 13-Dec-17 07:51:00 07:51:00 07:55:19

13-Dec-17 07:51:00 EER Drug Detection Pan, Umbilical Cord: Access ARUP Enhanced Report using either link below:

-Direct access:

-Enter Username, Password: Username: Password:

13-Dec-17 07:51:00 Drug Detection Panel, Umbilical Cord: INTERPRETIVE INFORMATION: Drug Detection Panel, Umbilical Cord Tissue, Qualitative

Methodology: Qualitative Liquid Chromatography/Tandem Mass Spectrometry

Detection of drugs in umbilical cord tissue is intended to reflect maternal drug use during 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. Glucuronide metabolites are indicated as -G.

For medical purposes only; not valid for forensic use unless testing was performed within Chain of Custody process.

For marijuana metabolite, order Marijuana Metabolite, Umbilical Cord Tissue, Qualitative (ARUP test code 3000256)

See Compliance Statement B: aruplab.com/CS

* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab

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