

Umbilical Cord Tissue Testing Frequently Asked Questions



1. Why test using umbilical cord tissue?

Maternal exposure to drugs during pregnancy puts a developing fetus at risk for adverse effects. These effects are often manifested and observed in the newborn child. Determination of in utero drug exposure can be an important part of case management.

Historically, newborn drug testing was performed using meconium. However, problems can exist with meconium—it may take days to pass, the newborn may not produce enough to test or, in some cases, the meconium is passed in utero making collection impossible. For these reasons, drug testing in umbilical cord offers a readily available specimen, ease of collection and faster results.

2. What is the process for collecting /prepping samples?

Collect at least 6 inches of umbilical cord (approximately the length of an adult hand). Drain and discard any blood. Rinse the exterior of the cord segment with normal saline or sterile water. Pat the cord dry and place in container for transport. Store at refrigerated temperature and ship with a cold pack.

Unacceptable Specimens: *Cords soaking in blood or other fluid. Formalin-fixed tissue. Decomposed tissue. Specimens received without a cold pack.*

3. What is the turnaround time?

24 hours for negatives; 72 hours for positives.

4. What is the scope of testing?

NMS Labs 9145UC Comprehensive Drug Screen, Umbilical Cord Tissue tests for 57 compounds in the following categories: Amphetamines; Acetyl Fentanyl; Barbiturates; Benzodiazepines; Buprenorphine/Metabolite; Cannabinoids; Carisoprodol/Metabolite; Cocaine/Metabolites; Dextro/Levo Methorphan; Fentanyl/Metabolite; Meperidine/Metabolite; Methadone/Metabolite; Novel Psychoactive Substances; Opioids; Phencyclidine; Tapentadol; Tramadol; Zolpidem (full scope of testing can be found at the end of the FAQs).

5. How is the test built?

NMS Labs Umbilical Cord Tissue test is a qualitative forensic screen and confirmation test. All analytes that screen positive will automatically reflex to a confirmation.

6. Where can I find more information?

For more information, including requisition forms, visit www.nmslabs.com/umbilical-cord-testing. If you need assistance, please contact Customer Support at 866.522.2206 or CSTIQ@nmslabs.com.



Scope of Testing

3701 Welsh Road
Willow Grove PA, 19090

Effective Date: 7/19/2016

Compound Description	9145UC				
6-Monoacetylmorphine - Free	X				
7-Amino Clonazepam	X				
Acetyl Fentanyl	X				
Alprazolam	X				
Amphetamine	X				
Benzoyllecgonine	X				
Buprenorphine - Free	X				
Butalbital	X				
Carisoprodol	X				
Chlordiazepoxide	X				
Clonazepam	X				
Cocaethylene	X				
Cocaine	X				
Codeine - Free	X				
Delta-9 Carboxy THC	X				
Delta-9 THC	X				
Desalkylflurazepam	X				
Dextro / Levo Methorphan	X				
Diazepam	X				
Dihydrocodeine / Hydrocodol - Free	X				
EDDP	X				
Ethylone	X				
Fentanyl	X				
Flunitrazepam	X				
Flurazepam	X				
Hydrocodone - Free	X				
Hydromorphone - Free	X				
Hydroxytriazolam	X				
Lorazepam	X				
MDA	X				
MDEA	X				
MDMA	X				
Meperidine	X				
Meprobamate	X				
Methadone	X				
Methamphetamine	X				
Methylone	X				
Midazolam	X				
Morphine - Free	X				
Norbuprenorphine - Free	X				
Nordiazepam	X				
Norfentanyl	X				
Norhydrocodone	X				
Normeperidine	X				
Noroxycodone	X				

For informational purposes only. Analytes are subject to change at any time.

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Compound Description	9145UC				
O-Desmethyltramadol	X				
Oxazepam	X				
Oxycodone - Free	X				
Oxymorphone - Free	X				
Phencyclidine	X				
Phenobarbital	X				
Tapentadol	X				
Temazepam	X				
Tramadol	X				
Triazolam	X				
Zolpidem	X				
alpha-PVP	X				