

Umbilical Cord Tissue Drug Panels

	17	16	15
Amphetamines amphetamine, MDA, MDEA, MDMA, methamphetamine	●	●	●
Cannabinoids carboxy-Δ9-THC	●	●	●
Cocaine benzoylecgonine	●	●	●
Opiates 6-monoacetylmorphine (6-MAM), codeine, hydrocodone, hydromorphone, meconin, morphine	●	●	●
Phencyclidine phencyclidine (PCP)	●	●	●
Methadone EDDP, methadone	●	●	●
Barbiturates amobarbital, butalbital, pentobarbital, phenobarbital, secobarbital	●	●	●
Benzodiazepines alprazolam, diazepam, midazolam, nordiazepam, oxazepam, temazepam	●	●	●
Propoxyphene propoxyphene, norpropoxyphene	●	●	●
Oxycodone oxycodone, oxymorphone	●	●	●
Meperidine meperidine, normeperidine	●	●	●
Tramadol tramadol	●	●	●
Buprenorphine buprenorphine, norbuprenorphine	●	●	●
Fentanyl fentanyl, norfentanyl, acetyl fentanyl, acetyl norfentanyl	●	●	●
Cathinones 4-fluoromethcathinone, ethylone, mephedrone, methcathinone, methedrone, methylone	●	●	●
Gabapentin gabapentin	●	●	
Mitragynine (Kratom) mitragynine	●		

Optional Add-Ons For Umbilical Cord

EtG
(Direct Ethanol Biomarker)
ethyl glucuronide

Cotinine
(Nicotine Biomarker)
cotinine

Meconium Drug Panels

	14	13	12
Amphetamines amphetamine, MDA, MDEA, MDMA, methamphetamine	●	●	●
Cannabinoids carboxy-Δ9-THC	●	●	●
Cocaine benzoylecgonine, cocaethylene, cocaine, meta-hydroxybenzoylecgonine	●	●	●
Opiates 6-monoacetylmorphine (6-MAM), codeine, hydrocodone, hydromorphone, meconin, morphine	●	●	●
Phencyclidine phencyclidine (PCP)	●	●	●
Methadone EDDP, methadone	●	●	●
Barbiturates amobarbital, butalbital, pentobarbital, phenobarbital, secobarbital	●	●	●
Benzodiazepines α-hydroxyalprazolam, 7-aminoclonazepam, alprazolam, clonazepam, diazepam, lorazepam, midazolam, nordiazepam, oxazepam, temazepam	●	●	●
Propoxyphene propoxyphene, norpropoxyphene	●	●	●
Oxycodone oxycodone, oxymorphone	●	●	●
Meperidine normeperidine	●	●	●
Tramadol tramadol	●	●	●
Buprenorphine buprenorphine, norbuprenorphine	●	●	
Fentanyl fentanyl, norfentanyl	●		

Optional Add-Ons For Meconium

FAEE (Direct Ethanol Biomarker)
Fatty Acid Ethyl Ester



Our services are not intended to
diagnose, treat, cure or prevent
any disease. For forensic use only.

Information is up to date as of 12.28.22

Creating A Comprehensive Newborn Drug & Alcohol Testing Program

Hospitals offering both umbilical cord tissue and meconium testing options as part of their newborn testing program can be confident they have ample opportunity to detect drugs and alcohol. Signing up for both options gives doctors the ability to choose the test that best fits the newborns needs.

Specimen Similarities

**Approximately
20 week lookback**

Turnaround Time:
Next business day for screen negative
with an additional 1-2 business days
for specimens that require
confirmatory testing

**Multiple Drug
Panel Options**

Unique Specimen Features

Meconium

Collected in **NICU**

Excellent Option

If no maternal indicators are present at birth
If cord was not collected during delivery

Insufficient Quantity Possible

Due to Stress Factors

~80% Available

Multiple Collections / Multiple Collectors

**Average Start of Passage:
24-48 hours**

Alcohol Testing Available
if collected within 18 hours of birth

Drugs are Distributed Non-uniformly

Umbilical Cord Tissue

Collected in **Labor & Delivery**

Excellent Option

If maternal indicators are present
If meconium passed during delivery

Always Enough Quantity

Regardless of Stress Factors

Always Available

1 Collector / 1 Collection

Immediate Availability For Collection
Faster sendout = Faster results

Alcohol Testing Always Available

Drugs are Distributed Uniformly