
Lab Dept: Chemistry

Test Name: MECONIUM DRUG SCREEN

General Information

Lab Order Codes: MDS (Multiple Drugs)

Synonyms: MDS Multiple Drugs

CPT Codes: 80301 - Drug screen, any number of drug classes from Drug Class List A; single drug class method, by instrumented test.
OR
G0479 – Drug, test, presumptive

Test Includes: Screening for amphetamines, cocaine metabolites, opiates, oxycodones, phencyclidines, cannabinoids, methadone, and propoxyphene. If a positive is detected, confirmation on the same specimen will be performed at no charge. If confirmation is QNS on the original sample, a subsequent charge will be incurred if a new sample is submitted.

Logistics

Test Indications: N/A

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (MedTox Test: 4051)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 – 4 days

Special Instructions: If the submitted sample is below the minimum weight (3 gm), the ordering provider needs to be notified to collect more sample. Keep pooled samples refrigerated and keep all pooled specimens in one container. If the specimen is short, specify which drugs should be prioritized. Best when performed 2 – 3 days after birth.

Specimen

Specimen Type: Meconium

Container:	Screw capped, clean, leakproof, polypropylene container
Draw Volume:	5 grams (Minimum: 3 grams) meconium If the specimen is short, specify which drugs should be prioritized.
Processed Volume:	Same as draw volume
	Note: Submission of the minimum volume results in an elevated reporting limit and inability to repeat analysis.
Collection:	Random sample or pooled random samples for adequate volume
Special Processing:	Lab Staff: Refrigerate specimen immediately after collection and until shipment. Meconium specimens need to be weighed before referring to MedTox. Do not receive specimens in OER. Give paperwork to sendouts and put specimens in the sendout refrigerator. Sendout staff will receive the specimen when at least 3 grams of meconium have been collected. Ship refrigerated. Forward Promptly. Frozen samples are acceptable.
Patient Preparation:	Best when performed 2 – 3 days after birth
Sample Rejection:	Inadequate specimen volume for testing; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Negative for each drug screened
Critical Values:	N/A
Limitations:	<ul style="list-style-type: none"> ● Amphetamines (amphetamine and methamphetamine) screened with the threshold 250 ng/gm ● Barbiturates (amobarbital, butabarbital, butalbital, pentobarbital, Phenobarbital, secobarbital) with the threshold of 300 ng/gm ● Benzodiazepines (alprazolam, alpha-hydroxyalprazolam, diazepam, desmethyldiazepam, oxazepam, ternazepam) with the threshold of 300 ng/gm ● Cannabinoids screened with the threshold of 50 ng/gm ● Cocaine (cocaine and benzoylecgonine metabolite) screened with the threshold 60 ng/gm ● Opiates screened with the threshold 150 ng/gm ● Oxycodones (Percocet, Percodan, Opiates, Oxycontin, Oxycodone, Roxicodone, Tylox) screened with the threshold 100 ng/gm ● Phencyclidine screened with the threshold 35 ng/gm ● Methadone screened with the threshold 300 ng/gm ● Propoxyphene (propoxyphene, norproxyphene) with the threshold of 300 ng/gm
Methodology:	Immunoassay (IA); Chromatography with Mass Spectrometry.
References:	MedTox Laboratories Nov 2013

Updates:

1/12/2015: CPT update
2/1/2016: CPT update