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**Lab Dept:** Chemistry

**Test Name:** MECONIUM DRUG SCREEN

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***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.

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***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.

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***Specimen***

**Specimen Type:** Meconium

<b>Container:</b>	Screw capped, clean, leakproof, polypropylene container
<b>Draw Volume:</b>	5 grams (Minimum: 3 grams) meconium If the specimen is short, specify which drugs should be prioritized.
<b>Processed Volume:</b>	Same as draw volume
	<b>Note:</b> Submission of the minimum volume results in an elevated reporting limit and inability to repeat analysis.
<b>Collection:</b>	Random sample or pooled random samples for adequate volume
<b>Special Processing:</b>	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.
<b>Patient Preparation:</b>	Best when performed 2 – 3 days after birth
<b>Sample Rejection:</b>	Inadequate specimen volume for testing; mislabeled or unlabeled specimens

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### ***Interpretive***

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

**Updates:**

1/12/2015: CPT update

2/1/2016: CPT update