

# MEMO

**TO:** CCLS Clients  
**FROM:** CCLS – Specimen Referral Center  
**DATE:** June 14, 2021  
**SUBJECT:** Drugs of Abuse Screen, Meconium

Effective June 21, 2021, Mayo will be making changes to the following test:

***DRUGS OF ABUSE SCREEN, MECONIUM 4, MAYO CODE DASM4 (LAB1179)***

The cutoff concentrations for confirmatory testing will be lowered for the following panel components:

## **Amphetamine-Type Stimulants Confirmation, Meconium**

**Test ID:** AMPHM

Current Reference Value	New Reference Value
<p>Negative</p> <p>Positives are reported with a quantitative liquid chromatography-tandem mass spectrometry (LC-MS/MS) result.</p> <p>LC-MS/MS cutoff concentrations:            Amphetamine: 50 ng/g            Methamphetamine: 50 ng/g            3,4-Methylenedioxyamphetamine: 50 ng/g            3,4-Methylenedioxyethylamphetamine: 50 ng/g            3,4-Methylenedioxymethamphetamine: 50 ng/g</p>	<p>Negative</p> <p>Positives are reported with a quantitative liquid chromatography-tandem mass spectrometry (LC-MS/MS) result.</p> <p>Cutoff concentrations for LC-MS/MS testing:            Amphetamine: 20 ng/g            Methamphetamine: 20 ng/g            3,4-Methylenedioxyamphetamine: 20 ng/g            3,4-Methylenedioxyethylamphetamine: 20 ng/g            3,4-Methylenedioxymethamphetamine: 20 ng/g</p>

## Cocaine and Metabolites Confirmation, Meconium

### Test ID: COKEM

Current Reference Value	New Reference Value
<p>Negative</p> <p>Positives are reported with a quantitative LC-MS/MS result.</p> <p>Cutoff concentrations  Cocaine by LC-MS/MS: 50 ng/g  Benzoyllecgonine by LC-MS/MS: 50 ng/g  Cocaethylene by LC-MS/MS: 50 ng/g  <i>m</i>-Hydroxybenzoyllecgonine by LC-MS/MS: 50 ng/g</p>	<p>Negative</p> <p>Positives are reported with a quantitative liquid chromatography-tandem mass spectrometry (LC-MS/MS) result.</p> <p>Cutoff concentrations for LC-MS/MS testing:  Cocaine: 20 ng/g  Benzoyllecgonine: 20 ng/g  Cocaethylene: 20 ng/g  <i>m</i>-Hydroxybenzoyllecgonine: 20 ng/g</p>

## Opiate Confirmation, Meconium

### Test ID: OPATM

Current Reference Value	New Reference Value
<p>Negative</p> <p>Positives are reported with a quantitative LC-MS/MS result.</p> <p>Cutoff concentrations  Codeine by LC-MS/MS: 50 ng/g  Hydrocodone by LC-MS/MS: 50 ng/g  Hydromorphone by LC-MS/MS: 50 ng/g  Morphine by LC-MS/MS: 50 ng/g  Oxycodone by LC-MS/MS: 50 ng/g  Oxymorphone by LC-MS/MS: 50 ng/g</p>	<p>Negative</p> <p>Positives are reported with a quantitative liquid chromatography-tandem mass spectrometry (LC-MS/MS) result.</p> <p>Cutoff concentrations for LC-MS/MS testing:  Codeine: 20 ng/g  Hydrocodone: 20 ng/g  Hydromorphone: 20 ng/g  Morphine: 20 ng/g  Oxycodone: 20 ng/g  Oxymorphone: 20 ng/g</p>



# 11-nor-Delta-9-Tetrahydrocannabinol-9-Carboxylic Acid (Carboxy-THC) Confirmation, Meconium

**Test ID:** THCM

Current Reference Value
Negative
Positives are reported with a quantitative LC-MS/MS result.
Cutoff concentrations Tetrahydrocannabinol carboxylic acid (marijuana metabolite) by LC-MS/MS: 10 ng/g

New Reference Value
Negative
Positives are reported with a quantitative liquid chromatography-tandem mass spectrometry result.
Cutoff concentration: 5 ng/g

Please feel free to contact the Specimen Referrals Center with any questions at 320-251-2700 Ext. 57320