MAYO CLINIC LABORATORIES

Test Definition: DSM4X

Drugs of Abuse Screen 4, Chain of Custody, Meconium

Reporting Title: Drugs of Abuse Screen 4, CoC, M
Performing Location: Rochester

Specimen Requirements:

Container/Tube: Chain of Custody Meconium Kit (T653) includes the specimen containers, seals, and documentation required.
Specimen Volume: 1 g (approximately 1 teaspoon)
Collection Instructions: Collect entire random meconium specimen.
Additional Information:
1. Specimen that arrives with a broken seal does not meet the chain-of-custody requirements.
2. The laboratory recommends sending chain-of-custody specimens by overnight shipment.

Specimen Minimum Volume:

0.45 g (approximately 0.5 teaspoon)

Forms:

1. Chain of Custody Request is included in the Chain of Custody Kit (T282)
2. If not ordering electronically, complete, print, and send a Therapeutics Test Request (T831) with the specimen.

Specimen Type	Temperature	Time	Special Container
Meconium	Frozen (preferred)	21 days	
	Refrigerated	21 days	
	Ambient	72 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
36172	Amphetamine	Alphanumeric	ng/g	26895-3
36173	Methamphetamine	Alphanumeric	ng/g	27289-8
36174	Cocaine	Alphanumeric	ng/g	26956-3
36175	Opiate	Alphanumeric	ng/g	29158-3
36176	Tetrahydrocannabinol	Alphanumeric	ng/g	26893-8
36177	Chain of Custody	Alphanumeric		77202-0

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:
No

CPT Code Information:

80307
80324 (if appropriate)
80359 (if appropriate)
80353 (if appropriate)
80361 (if appropriate)
80365 (if appropriate)
80349 (if appropriate)

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
COCH	Chain of Custody Processing			Yes	No
COKMX	Cocaine and metabolite Conf, CoC, M			No	Yes
OPTMX	Opiate Confirmation, CoC, M			No	Yes
THCMX	Carboxy-THC Confirmation, CoC, M			No	Yes
AMPMX	Amphetamines Confirmation, CoC, M			No	Yes

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
COKMX	36166	Cocaine	Alphanumeric	ng/g	69009-9
COKMX	36167	Benzoylecgonine	Alphanumeric	ng/g	69010-7
COKMX	36168	Cocaethylene	Alphanumeric	ng/g	69011-5
COKMX	36169	m-Hydroxybenzoylecgonine	Alphanumeric	ng/g	69012-3
COKMX	36170	Interpretation	Alphanumeric		69050-3
COKMX	36171	Chain of Custody	Alphanumeric		77202-0
OPTMX	36221	Morphine	Alphanumeric	ng/g	69027-1
OPTMX	36222	Oxymorphone	Alphanumeric	ng/g	69028-9
OPTMX	36223	Hydromorphone	Alphanumeric	ng/g	68541-2

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
OPTMX	36224	Codeine	Alphanumeric	ng/g	68542-0
OPTMX	36225	Oxycodone	Alphanumeric	ng/g	68543-8
OPTMX	36226	Hydrocodone	Alphanumeric	ng/g	68544-6
OPTMX	36227	Interpretation	Alphanumeric		8215-6
OPTMX	36228	Chain of Custody	Alphanumeric		77202-0
THCMX	36305	Carboxy-THC	Alphanumeric	ng/g	69007-3
THCMX	36306	Interpretation	Alphanumeric		69050-3
THCMX	36307	Chain of Custody	Alphanumeric		77202-0
AMPMX	36136	Amphetamine	Alphanumeric	ng/g	26959-7
AMPMX	36137	Methamphetamine	Alphanumeric	ng/g	69022-2
AMPMX	36138	3,4-methylenedioxyamphetamine	Alphanumeric	ng/g	69023-0
AMPMX	36139	3,4-methylenedioxyethylamphetamine	Alphanumeric	ng/g	69024-8
AMPMX	36140	3,4-methylenedioxymethamphetamine	Alphanumeric	ng/g	69025-5
AMPMX	36141	Interpretation	Alphanumeric		69050-3
AMPMX	36142	Chain of Custody	Alphanumeric		77202-0

Reference Values:

Negative

Positive results are reported with a quantitative liquid chromatography tandem mass spectrometry result.

Cutoff concentrations by competitive chemiluminescent immunoassay:
Amphetamines: 100 ng/g
Methamphetamine: 100 ng/g
Benzoylecgonine (cocaine metabolite): 100 ng/g
Opiates: 100 ng/g
Tetrahydrocannabinol carboxylic acid (marijuana metabolite): 20 ng/g