MAYO CLINIC LABORATORIES

Test Definition: FKEMS

Ketamine and Metabolite Screen, Plasma

Overview

Reflex Tests

Test Id	Reporting Name	Available Separately	Always Performed
FKETC	Ketamine and Metabolite Confirm, P	No	No

Testing Algorithm

Confirmation test, Ketamine and Metabolite Confirmation (FKETC), will be performed, if appropriate, at an additional charge.

Method Name

High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

NY State Available

Yes

Specimen

Specimen Type

Plasma EDTA

Specimen Required

*****Must submit one specimen per order. Specimens cannot be shared between multiple orders.*****

Specimen Type: Plasma

Collection Container/Tube: Lavender-top or pink top (EDTA)

Submission Container/Tube: Plastic vial

Specimen Volume: 3 mL

Collection Instructions:

1. Draw blood in an EDTA (lavender top or pink top) tube(s). **Plasma gel tube is not acceptable.**
2. Centrifuge and send 3 mL of plasma refrigerated in a preservative-free plastic vial.

Specimen Minimum Volume

0.9 mL

Reject Due To

Other	Polymer gel separation tube (SST or PST)

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Plasma EDTA	Refrigerated (preferred)	14 days	
	Ambient	14 days	
	Frozen	270 days	

Clinical & Interpretive

Reference Values

Reporting limit determined each analysis

Units: ng/mL

Norketamine: None Detected
The intravenous administration of 2 mg/kg of Ketamine followed by continuous infusion of 41 mcg/kg/minute produced an average steady-state plasma concentration of 2200 ng Ketamine/mL and an average peak Norketamine level of 1050 ng/mL which occurred near the end of the 3 hour infusion.

Ketamine: None Detected
Reported levels during anesthesia: 500-6500 ng/mL

Performance

PDF Report

No

Day(s) Performed

Monday through Sunday

Report Available

6-12 days

Performing Laboratory Location

NMS Labs

Fees & Codes

Fees

- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

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Test Classification

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Code Information

80307-Screen
80357-Confirmation, if appropriate

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FKEMS	Ketamine and Metabolite Screen, P	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z6035	Norketamine	Not Provided
Z6036	Ketamine	42922-5