MAYO CLINIC LABORATORIES

Test Definition: FPALI

Paliperidone, Serum

Overview

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

NY State Available
Yes

Specimen

Specimen Type
Serum Red

Specimen Required
*****Must submit one specimen per order. Specimens cannot be shared between multiple orders.*****
Specimen Type: Serum
Collection Container/Tube: Red
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions: Draw blood in a plain, red-top tube(s). (Serum gel tube is not acceptable.) Spin down and send 1 mL of serum refrigerate in a preservative-free plastic vial.

Specimen Minimum Volume
0.5 mL

Reject Due To

Other	Polymer gel separation tube (SST or PST)

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum Red	Refrigerated (preferred)	14 days	
	Ambient	14 days	
	Frozen		

Clinical & Interpretive

Reference Values
None Detected ng/mL

Units: ng/mL

Interpretation

Paliperidone is an atypically-structured antipsychotic agent and the main pharmacologically active metabolite of Risperidone (commonly referred to as 9-hydroxyrisperidone).

The following mean plasma paliperidone concentrations have been reported:
3 mg single extended release oral dose: 4.9 ng/mL at 24 hours

6 mg single extended release oral dose: 10 ng/mL at 24 hours

12 mg single extended release oral dose: 20 ng/mL at 24 hours

3 mg extended release oral dose for 7 days: 11 ng/mL at 22 hours after last dose

78-156 mg IM once monthly for 6 months: 10-20 ng/mL (median trough concentration)

Acute ingestion of 180 and 504 mg extended release paliperidone resulted in serum concentrations of 170 and 883 ng/mL, respectively, approximately 40 hours after ingestion and the reported serum concentration following acute ingestion of 270 mg was 100 ng/mL 16 hours post-ingestion.

A femoral blood paliperidone concentration of 240 ng/mL was the only finding in an individual who died 2 weeks after a 525 depot IM injection.

The blood/plasma ratio of paliperidone is 0.7-0.8.

Performance

PDF Report
No

Day(s) Performed
Monday - Sunday

Report Available
8 to 10 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.

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

80342

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FPALI	Paliperidone, Serum	9383-1

Result ID	Test Result Name	Result LOINC® Value
Z3528	Paliperidone	9383-1