

## 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)
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**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