

## Overview

### Method Name

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

### NY State Available

Yes

## Specimen

### Specimen Type

Serum Red

### Specimen Required

**Specimen Type:** Serum

**Collection Container/Tube:** Red top

**Specimen Volume:** 1 mL

**Collection Instructions:** Draw blood in a red-top tube(s). **(Serum gel tube is not acceptable.)** Spin down and send 1 mL of serum refrigerated in a plastic, preservative-free 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)	30 days	
	Ambient	14 days	
	Frozen		

## Clinical & Interpretive

### Clinical Information

Mean peak CBD plasma concentrations at 3-4 hours post-dose with Sativex at a low dose (5.4 mg of Delta-9 THC and 5.0 mg of Cannabidiol) were 1.6 +/- 0.4 ng/mL and at a high dose (16 mg of Delta-9 THC and 15 mg of Cannabidiol) were 6.7 +/- 2.0 ng/mL.

Following high dose 400 and 800 mg oral synthetic CBD in corn oil administration, mean peak CBD plasma concentrations occurred within 1.5-3 hours post-dose and were 181.2 +/- 39.8 and 221.1 +/- 35.6 ng/mL, respectively. The ratio of blood to serum or plasma concentration is unknown for this analyte.

**Reference Values**

Reporting limit determined each analysis

Units: ng/mL

**Cautions**

Known Interferences: Excessive amounts of oleamide from plastic tubes

**Performance****PDF Report**

No

**Day(s) Performed**

Monday-Sunday

**Report Available**

11 to 13 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**

80349

G0480, if appropriate

**LOINC® Information**

Test ID	Test Order Name	Order LOINC® Value
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FCBDS	Cannabidiol, Serum	82964-8
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Result ID	Test Result Name	Result LOINC® Value
Z5547	Cannabidiol	82964-8