



# Test Definition: FCBDS

Cannabidiol, 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.\*\*\*

**Collection Container/Tube:** Red top (Serum gel/SST are not acceptable)

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 1 mL Serum

### Collections Instructions:

1. Centrifuge and aliquot 1 mL of serum into a plastic vial.
2. Send refrigerated.

**Specimen Stability Information:** Ambient 14 days/Refrigerated 30 days/Frozen (-20 degrees C) 2 years

### Specimen Minimum Volume

Serum: 0.5 mL

### Reject Due To

All specimens will be evaluated by the processing and performing laboratories for test suitability.

### Specimen Stability Information

| Specimen Type | Temperature              | Time    | Special Container |
|---------------|--------------------------|---------|-------------------|
| Serum Red     | Refrigerated (preferred) | 30 days |                   |
|               | Ambient                  | 14 days |                   |
|               | Frozen                   |         |                   |

## Clinical & Interpretive

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**Clinical Information**

Refer to [www.nmslabs.com/test-catalog](http://www.nmslabs.com/test-catalog).

**Reference Values**

Reporting limit determined each analysis

**Interpretation**

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.

**Cautions**

Substance(s) known to interfere with the identity and/or quantity of the reported result: oleamide

**Performance****PDF Report**

No

**Day(s) Performed**

Monday through 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**

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80299

**LOINC® Information**

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

| Result ID | Test Result Name | Result LOINC® Value |
|-----------|------------------|---------------------|
| Z5547     | Cannabidiol      | 82964-8             |