MAYO CLINIC LABORATORIES

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

Clinical Information
Refer to 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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Cannabidiol, Serum

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