NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Demo Report

Report Issued 08/03/2018 09:29
Last Report Issued 10/04/2017 10:20

88888
Clinical Example Report
Attn: IT Department
200 Welsh Road
Horsham, PA 19044-2208

Patient Name 0966B
Patient ID 0966B
Chain 17001891
Age Not Given **DOB** Not Given
Gender Not Given
Workorder 17001891

Received 10/04/2017 10:12

Sample ID 17001891-001
Matrix Blood
Patient Name 0966B
Patient ID 0966B
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes None Entered

Analysis and Comments	Result	Units	Reporting Limit	Notes
0966B Cannabis Plus Recent Use Markers, Blood				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
11-Hydroxy Delta-9 THC	None Detected	ng/mL	1.0	
Synonym(s): Active metabolite of Delta-9 THC				
11-OH-THC was detectable in blood, with a 0.5 ng/mL cutoff, for 1.5 (range; 0.25-3.5) hours when cannabis was smoked by occasional users. 11-OH-THC may be present over 72 hours in chronic, frequent cannabis users.				
In occasional cannabis users, median (range) peak blood concentrations after smoking of 6.9% (50 mg) THC were 1.9 (0.5 - 8.7) ng/mL with median time of maximum concentration at approximately 11 minutes . In chronic, frequent cannabis users, median (range) peak blood concentrations after smoking 6.9% THC were 7.2 (1.9 - 30.9) ng/mL, with median time of maximum concentration at approximately 12 minutes. 11-OH-THC blood concentrations are approximately one-half those of plasma or serum concentrations.				
Delta-9 Carboxy THC	None Detected	ng/mL	5.0	
Synonym(s): Inactive Metabolite				

Results for sample 17001891-001 are continued on next page

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Sample ID 17001891-001
Matrix Blood
Patient Name 0966B
Patient ID 0966B

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
THCC may be detectable, with a 0.5 ng/mL cutoff, over 54 hours in occasional cannabis users and over72 hours in chronic, frequent cannabis users. Median (range) peak THCC blood concentrations after smoking of 6.9% (50 mg) THC in occasional cannabis users were 7.4 (0.7 - 17.5) ng/mL with median time of maximum concentration at approximately 15 minutes. In chronic, frequent cannabis users, median (range) peak blood concentrations after smoking of 6.9% THC were 50.7 (15.6 - 137) ng/mL with median time of maximum concentration at approximately 15 minutes. THCC blood concentrations are approximately one-half those of plasma or serum concentrations.				
Delta-9 THC	None Detected	ng/mL	0.50	
Synonym(s): Active Ingredient of Marijuana				
In occasional cannabis users, median (range) peak blood concentrations after smoking of approximately 6.9% (50 mg) THC were 44.4 (1.3 - 174) ng/mL with median times of maximum concentration at 6 minutes, decreasing to less than 0.5 ng/mL by 3.5 hours. In chronic, frequent cannabis users median (range) peak blood concentrations after smoking 6.9% THC were 117 (52.8 to 471) ng/mL at approximately 8 minutes. THC may be detectable over 72 hours after smoking in chronic, frequent cannabis users. THC blood concentrations are approximately one-half those of plasma or serum concentrations.				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Cannabidiol	None Detected	ng/mL	0.10	
Synonym(s): CBD				

Results for sample 17001891-001 are continued on next page

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Sample ID 17001891-001
Matrix Blood
Patient Name 0966B
Patient ID 0966B

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
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.				
Cannabigerol	None Detected	ng/mL	0.10	
Synonym(s): CBG				
CBG blood maximum concentrations occurred during smoking, and were approximately 6.9 (range 1.8 to 22.7) ng/mL in frequent and 3.0 (range 1.4 to 8.1) ng/mL in occasional cannabis smokers. CBG was detectable in frequent and occasional smokers for up to approximately 0.5 h after smoking, with a 1.0 ng/mL cutoff.				
Cannabinol	None Detected	ng/mL	0.10	
Synonym(s): CBN				
CBN blood maximum concentrations occurred during smoking, and were approximately 11.6 (range 3.1 to 37.9) ng/mL in frequent and 4.0 (range 0.7 to 13.5) ng/mL in occasional cannabis smokers. CBN was detectable in frequent and occasional smokers for up to approximately 1.5 h after smoking, with a 0.5 ng/mL cutoff.				