Effective Date:

Monday, August 31, 2015

Test Updates

Immediate Action

In our continuing effort to provide you with the highest quality toxicology laboratory services available, we have compiled important changes regarding a number of tests we perform. Listed below are the types of changes that may be included in this notification, effective Monday, August 31, 2015

Test Changes - Tests that have had changes to the method/ CPT code, units of measurement, scope of analysis, reference comments, or specimen requirements.

Discontinued Tests - Tests being discontinued with alternate testing suggestions.

Please use this information to update your computer systems/records. These changes are important to ensure standardization of our mutual laboratory databases.

If you have any questions about the information contained in this notification, please call our Client Support Department at (866) 522-2206. Thank you for your continued support of NMS Labs and your assistance in implementing these changes.

The CPT Codes provided in this document are based on AMA guidelines and are for informational purposes only. NMS Labs does not assume responsibility for billing errors due to reliance on the CPT Codes listed in this document.

Test Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
0962B	Cannabidiol, Blood		•	•	•			•	
0962SP	Cannabidiol, Serum/Plasma		•	•	•			•	
54003B	Cannabinoids Confirmation (Drug Impaired Driving/DRE Toxicology), Blood (Forensic)		•	•	•	•			
54029B	Cannabinoids Confirmation (Drug Impaired Driving/DRE Toxicology), Blood (Forensic) (CSA)		•	•	•	•			
54389B	Cannabinoids Confirmation (Drug Impaired Driving/DRE Toxicology), Blood (Forensic) (CSA)		•	•	•	•			
5646B	Cannabinoids Confirmation, Blood		•	•	•	•		•	
50013B	Cannabinoids Confirmation, Blood (Forensic)		•	•	•	•		•	
5646FL	Cannabinoids Confirmation, Fluid		•	•		•			
50013FL	Cannabinoids Confirmation, Fluid (Forensic)		•	•		•		•	
5646SP	Cannabinoids Confirmation, Serum/Plasma		•	•	•	•		•	
50013SP	Cannabinoids Confirmation, Serum/Plasma (Forensic)		•	•	•	•		•	
5646TI	Cannabinoids Confirmation, Tissue	•	•			•			
50013TI	Cannabinoids Confirmation, Tissue (Forensic)	•	•			•			
10034B	Cannabinoids Panel (Drug Impaired Driving-DRE Toxicology), Blood (Forensic) (CSA)		•	•	•	•			
10034SP	Cannabinoids Panel (Drug Impaired Driving-DRE Toxicology), Serum/Plasma (Forensic) (CSA)		•	•	•	•			
0960B	Cannabinoids Panel, Blood		•	•	•	•		•	
0960FL	Cannabinoids Panel, Fluid		•	•		•			
0960SP	Cannabinoids Panel, Serum/Plasma		•	•		•		•	
0960TI	Cannabinoids Panel, Tissue	•	•			•		•	
8892OF	Delta-9 THC (Qualitative), Oral Fluid (Saliva)		•		•				
5850OF	Delta-9 THC Confirmation (Qualitative), Oral Fluid (Saliva) (Forensic)		•	•	•				
1826SP	Dronabinol, Serum/Plasma		•	•	•	•			
8897OF	Drugs of Abuse (7 Panel) (Qualitative), Oral Fluid (Saliva)		•						
8888OF	ProofPOSITIVE® Drug Impaired Driving/DRE Toxicology Cannabinoids (Qualitative), Oral Fluid (Saliva) (CSA)		•						
4155B	Sativex®, Blood		•	•	•	•		•	

Effective Date:

Monday, August 31, 2015

Test Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
4155SP	Sativex®, Serum/Plasma		•		•	•		•	

Test Updates

Test Changes

0962B Cannabidiol, Blood

Summary of Changes: Specimen Requirements were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)
Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): Cannabidiol

Compound Name	Units	Reference Comment
Cannabidiol	ng/mL	Mean peak plasma concentrations of Cannabidiol at approximately 4 hours following dosing 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. The ratio of whole blood concentration to plasma concentration is unknown for this analyte.

0962SP Cannabidiol, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.
Stability was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Test Updates

Test Changes

Specimen Requirements:	1 mL Serum or Plasma
Transport Temperature:	Refrigerated
Specimen Container:	Plastic container (preservative-free)
Light Protection:	Not Required
Special Handling:	Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria:	Polymer gel separation tube (SST or PST).
Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)
Scope of Analysis: Method (CPT Code)	LC-MS/MS (80349): Cannabidiol

Compound Name	Units	Reference Comment
Cannabidiol	ng/mL	Mean peak plasma concentrations of Cannabidiol at approximately 4 hours following dosing 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.

54029B Cannabinoids Confirmation (Drug Impaired Driving/DRE Toxicology), Blood (Forensic) (CSA)

Summary of Changes:	Specimen Requirements were changed. Specimen Requirements (Specimen Container) were changed. Stability was changed. Scope of Analysis was changed. Order of Reporting was changed. Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements:	1 mL Blood
Transport Temperature:	Refrigerated
Specimen Container:	Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection:	Not Required
Special Handling:	None
Rejection Criteria:	None
Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)
Scope of Analysis: Method (CPT Code)	LC-MS/MS (80349): Delta-9 Carboxy THC, Delta-9 THC

54389B Cannabinoids Confirmation (Drug Impaired Driving/DRE Toxicology), Blood (Forensic) (CSA)

Test Updates

Test Changes

Summary of Changes:	Specimen Requirements were changed. Specimen Requirements (Specimen Container) were changed. Stability was changed. Scope of Analysis was changed. Order of Reporting was changed. Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements:	1 mL Blood
Transport Temperature:	Refrigerated
Specimen Container:	Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection:	Not Required
Special Handling:	None
Rejection Criteria:	None
Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)
Scope of Analysis: Method (CPT Code)	LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

54003B Cannabinoids Confirmation (Drug Impaired Driving/DRE Toxicology), Blood (Forensic)

Summary of Changes:	Specimen Requirements were changed. Specimen Requirements (Specimen Container) were changed. Stability was changed. Scope of Analysis was changed. Order of Reporting was changed. Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements:	1 mL Blood
Transport Temperature:	Refrigerated
Specimen Container:	Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection:	Not Required
Special Handling:	None
Rejection Criteria:	None
Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)
Scope of Analysis: Method (CPT Code)	LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

50013B Cannabinoids Confirmation, Blood (Forensic)

Test Updates

Test Changes

Summary of Changes:	Specimen Requirements were changed. Specimen Requirements (Specimen Container) were changed. Stability was changed. Scope of Analysis was changed. Order of Reporting was changed. Reference Comment was changed. Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements:	1 mL Blood
Transport Temperature:	Refrigerated
Specimen Container:	Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection:	Not Required
Special Handling:	None
Rejection Criteria:	None
Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)
Scope of Analysis: Method (CPT Code)	LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannabinol (THC) the active component of marijuana. Usual peak levels: Less than 10% of THC levels after smoking.
Delta-9 THC	ng/mL	THC concentrations in blood are usually about one-half of serum/plasma concentrations. Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.

5646B Cannabinoids Confirmation, Blood

Summary of Changes:	Specimen Requirements were changed. Specimen Requirements (Specimen Container) were changed. Stability was changed. Scope of Analysis was changed. Order of Reporting was changed. Reference Comment was changed. Methods/CPT Codes were changed [LC-MS/MS (80349)]

Test Updates

Test Changes

Specimen Requirements:	1 mL Blood
Transport Temperature:	Refrigerated
Specimen Container:	Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection:	Not Required
Special Handling:	None
Rejection Criteria:	None
Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)
Scope of Analysis: Method (CPT Code)	LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannabinol (THC) the active component of marijuana. Usual peak levels: Less than 10% of THC levels after smoking.
Delta-9 Carboxy THC	ng/mL	Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 10 - 101 ng/mL about 32 to 240 minutes after beginning smoking, with a slow decline. Usually not detectable after passive inhalation.
Delta-9 THC	ng/mL	THC concentrations in blood are usually about one-half of serum/plasma concentrations. Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.

50013FL Cannabinoids Confirmation, Fluid (Forensic)

Summary of Changes:	Specimen Requirements were changed. Scope of Analysis was changed. Order of Reporting was changed. Reference Comment was changed. Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements:	1 mL Fluid
Transport Temperature:	Refrigerated
Specimen Container:	Plastic container (preservative-free)
Light Protection:	Not Required
Special Handling:	None
Rejection Criteria:	None

Test Updates

Test Changes

Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	[Reference comment removed]
Delta-9 THC	ng/mL	No reference data available.

5646FL Cannabinoids Confirmation, Fluid

Summary of Changes:
Specimen Requirements were changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

50013SP Cannabinoids Confirmation, Serum/Plasma (Forensic)

Summary of Changes:
Specimen Requirements were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 14 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

Test Updates

Test Changes

Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannabinol (THC) the active component of marijuana. Usual peak levels: Less than 10% of THC levels after smoking.
Delta-9 THC	ng/mL	Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.

5646SP Cannabinoids Confirmation, Serum/Plasma

Summary of Changes:
Specimen Requirements were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Serum or Plasma

Transport Temperature: Refrigerated

Specimen Container: Plastic container (preservative-free)

Light Protection: Not Required

Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.

Rejection Criteria: Polymer gel separation tube (SST or PST).

Stability: Room Temperature: 14 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannabinol (THC) the active component of marijuana. Usual peak levels: Less than 10% of THC levels after smoking.

Test Updates

Test Changes

Compound Name	Units	Reference Comment
Delta-9 Carboxy THC	ng/mL	Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 10 - 101 ng/mL about 32 to 240 minutes after beginning smoking, with a slow decline. Usually not detectable after passive inhalation.
Delta-9 THC	ng/mL	Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.

50013TI Cannabinoids Confirmation, Tissue (Forensic)

Summary of Changes: Test Name was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

5646TI Cannabinoids Confirmation, Tissue

Summary of Changes: Test Name was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

10034B Cannabinoids Panel (Drug Impaired Driving-DRE Toxicology), Blood (Forensic) (CSA)

Summary of Changes: Specimen Requirements were changed.
Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

Test Updates

Test Changes

Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)
Scope of Analysis: LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC
Method (CPT Code)

10034SP Cannabinoids Panel (Drug Impaired Driving-DRE Toxicology), Serum/Plasma (Forensic) (CSA)

Summary of Changes: Specimen Requirements were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 14 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)
Scope of Analysis: LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC
Method (CPT Code)

0960B Cannabinoids Panel, Blood

Summary of Changes: Specimen Requirements were changed.
Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

Test Updates

Test Changes

Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannabinol (THC) the active component of marijuana. Usual peak levels: Less than 10% of THC levels after smoking.
Delta-9 THC	ng/mL	THC concentrations in blood are usually about one-half of serum/plasma concentrations. Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.

0960FL Cannabinoids Panel, Fluid

Summary of Changes:
Specimen Requirements were changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

0960SP Cannabinoids Panel, Serum/Plasma

Summary of Changes:
Specimen Requirements were changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Test Updates

Test Changes

Specimen Requirements:	1 mL Serum or Plasma
Transport Temperature:	Refrigerated
Specimen Container:	Plastic container (preservative-free)
Light Protection:	Not Required
Special Handling:	Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria:	Polymer gel separation tube (SST or PST).
Scope of Analysis: Method (CPT Code)	LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannabinol (THC) the active component of marijuana. Usual peak levels: Less than 10% of THC levels after smoking.
Delta-9 THC	ng/mL	Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.

0960TI Cannabinoids Panel, Tissue

Summary of Changes:	Test Name was changed. Scope of Analysis was changed. Order of Reporting was changed. Reference Comment was changed. Methods/CPT Codes were changed [LC-MS/MS (80349)]
Scope of Analysis: Method (CPT Code)	LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/g	[Reference comment removed]
Delta-9 THC	ng/g	No reference data available.

8892OF Delta-9 THC (Qualitative), Oral Fluid (Saliva)

Summary of Changes:	Stability was changed. Methods/CPT Codes were changed [LC-MS/MS (80349)]
Stability:	Room Temperature: Undetermined Refrigerated: 28 day(s) Frozen (-20 °C): Undetermined

Test Updates

Test Changes

Scope of Analysis: LC-MS/MS (80349): Delta-9 THC
Method (CPT Code)

5850OF Delta-9 THC Confirmation (Qualitative), Oral Fluid (Saliva) (Forensic)

Summary of Changes: Specimen Requirements were changed.
Stability was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Oral Fluid (Saliva)
Transport Temperature: Refrigerated
Specimen Container: Oral Fluid collection device
Light Protection: Not Required
Special Handling: Immunalysis QuantisalTM collection device is preferred. Other collection devices are acceptable; however they may affect the reporting limit of the assay. Pour-off containers from non- Immunalysis QuantisalTM collection devices are acceptable. Samples are stable up to 3 days at room temperature and should be refrigerated thereafter. DO NOT FREEZE the OraSure Intercept® or Immunalysis QuantisalTM collection devices.
Rejection Criteria: None
Stability: Room Temperature: Undetermined
Refrigerated: 28 day(s)
Frozen (-20 °C): Undetermined
Scope of Analysis: LC-MS/MS (80349): Delta-9 THC
Method (CPT Code)

1826SP Dronabinol, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 14 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

Test Updates

Test Changes

Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Delta-9 THC

8897OF Drugs of Abuse (7 Panel) (Qualitative), Oral Fluid (Saliva)

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (80349)]

Scope of Analysis: Method (CPT Code):
LC-MS/MS (80324, 80346, 80353, 80356, 80358, 80359, 80361, 80362): Amphetamine, Methamphetamine, MDA, MDMA, Diazepam, Nordiazepam, Oxazepam, Temazepam, Chlordiazepoxide, Lorazepam, Clonazepam, Alprazolam, Midazolam, Cocaine, Benzoylecgonine, Cocaethylene, Methadone, EDDP, Codeine - Free, Morphine - Free, Hydrocodone - Free, 6-Monoacetylmorphine - Free, Hydromorphone - Free, Oxycodone - Free, Oxymorphone - Free, Dihydrocodeine - Free, Phencyclidine, Dextromethorphan
LC-MS/MS (80349): Delta-9 THC

8888OF ProofPOSITIVE® Drug Impaired Driving/DRE Toxicology Cannabinoids (Qualitative), Oral Fluid (Saliva) (CSA)

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (80349)]

Scope of Analysis: Method (CPT Code): LC-MS/MS (80349): Delta-9 THC

4155B Sativex®, Blood

Summary of Changes:
Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)
Scope of Analysis: Method (CPT Code):
ELISA (80301): Cannabinoids
LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Cannabidiol, Delta-9 THC

Test Updates

Test Changes

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	Mean peak plasma concentrations of 11-Hydroxy Delta-9 THC at approximately 4 hours following dosing with Sativex® at a low dose (5.4 mg of Delta-9 THC and 5.0 mg of Cannabidiol) were 4.2 +/- 0.7 ng/mL and at a high dose (16 mg of Delta-9 THC and 15 mg of Cannabidiol) were 8.4 +/- 1.2 ng/mL. The ratio of whole blood concentration to plasma concentration is unknown for this analyte.
Delta-9 Carboxy THC	ng/mL	Mean peak plasma concentrations of Delta-9 Carboxy THC at approximately 5 hours following dosing with Sativex® at a low dose (5.4 mg of Delta-9 THC and 5.0 mg of Cannabidiol) were 110 +/- 31 ng/mL and at a high dose (16 mg of Delta-9 THC and 15 mg of Cannabidiol) were 130 +/- 26 ng/mL. The ratio of whole blood concentration to plasma concentration is unknown for this analyte.
Cannabidiol	ng/mL	Mean peak plasma concentrations of Cannabidiol at approximately 4 hours following dosing 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. The ratio of whole blood concentration to plasma concentration is unknown for this analyte. Note: marijuana and Sativex® both contain Delta-9 THC and Cannabidiol; therefore, this test may not be able to differentiate between the two.
Delta-9 THC	ng/mL	Mean peak plasma concentrations of Delta-9 THC at approximately 3 hours following dosing with Sativex® at a low dose (5.4 mg of Delta-9 THC and 5.0 mg of Cannabidiol) were 5.1 +/- 1.0 ng/mL and at a high dose (16 mg of Delta-9 THC and 15 mg of Cannabidiol) were 15 +/- 3.4 ng/mL. The ratio of whole blood concentration to plasma concentration for Delta-9 THC is approximately 0.50 to 0.60.

4155SP Sativex®, Serum/Plasma

Test Updates

Test Changes

Summary of Changes: Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Reference Comment was changed.
Methods/CPT Codes were changed [LC-MS/MS (80349)]

Stability: Room Temperature: 14 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

Scope of Analysis: ELISA (80301): Cannabinoids

Method (CPT Code) LC-MS/MS (80349): 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, Cannabidiol, Delta-9 THC

Compound Name	Units	Reference Comment
11-Hydroxy Delta-9 THC	ng/mL	Mean peak plasma concentrations of 11-Hydroxy Delta-9 THC at approximately 4 hours following dosing with Sativex® at a low dose (5.4 mg of Delta-9 THC and 5.0 mg of Cannabidiol) were 4.2 +/- 0.7 ng/mL and at a high dose (16 mg of Delta-9 THC and 15 mg of Cannabidiol) were 8.4 +/- 1.2 ng/mL.
Delta-9 Carboxy THC	ng/mL	Mean peak plasma concentrations of Delta-9 Carboxy THC at approximately 5 hours following dosing with Sativex® at a low dose (5.4 mg of Delta-9 THC and 5.0 mg of Cannabidiol) were 110 +/- 31 ng/mL and at a high dose (16 mg of Delta-9 THC and 15 mg of Cannabidiol) were 130 +/- 26 ng/mL.
Cannabidiol	ng/mL	Mean peak plasma concentrations of Cannabidiol at approximately 4 hours following dosing 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. Note: marijuana and Sativex® both contain Delta-9 THC and Cannabidiol; therefore, this test may not be able to differentiate between the two.
Delta-9 THC	ng/mL	Mean peak plasma concentrations of Delta-9 THC at approximately 3 hours following dosing with Sativex® at a low dose (5.4 mg of Delta-9 THC and 5.0 mg of Cannabidiol) were 5.1 +/- 1.0 ng/mL and at a high dose (16 mg of Delta-9 THC and 15 mg of Cannabidiol) were 15 +/- 3.4 ng/mL.