

Reporting Title: Neurotransmitter Metabolites
Performing Location: Medical Neurogenetics, LLC

Specimen Requirements:
Medical Neurogenetics collection kit (MCL Supply T657) required.
Each collection kit contains 5 microcentrifuge tubes.

- COLLECTION PROTOCOL:
- 1) CSF should be collected from the first drop into the tubes in the numbered order. Fill each tube to the marked line with the required volumes
Tube 1: 0.5 mL
Tube 2: 1.0 mL
Tube 3: 1.0 mL (contains antioxidants necessary to protect the sample integrity)
Tube 4: 1.0 mL
Tube 5: 1.0 mL
 - If sample's not blood contaminated, the tubes should be placed on dry ice at bedside
 - If sample's are blood contaminated, the tubes should immediately be centrifuged (prior to freezing) and the clear CSF transferred to new similarly labeled tubes, then frozen
 - Store samples at -80 until they can be shipped
 - 2) Complete Medical Neurogenetics, LLC request form. Include test required, sample date and date of birth.
 - 3) Label tubes with patient name and ID number, leaving the tube number viewable.
 - 4) Place samples inside a specimen transport bag and the Medical Neurogenetics, LLC request form inside the pouch of the transport bag.
 - 5) Ship samples frozen on dry ice.

Specimen Type	Temperature	Time	Special Container
CSF	Frozen		CSF KIT

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z0852	5-Hydroxyindoleacetic acid	Alphanumeric	nmol/L	47544-2
Z0849	Homovanillic acid	Alphanumeric	nmol/L	40846-8
Z0850	3-O-methyldopa	Alphanumeric	nmol/L	34596-7
Z0851	Interpretation:	Alphanumeric		59462-2

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:
Referral

CPT Code Information:

82542
83497
83150

Reference Values:

<u>Age</u> (years)	<u>5HIAA</u> (nmol/L)	<u>HVA</u> (nmol/L)	<u>3-O-MD</u> (nmol/L)
0-0.2	208-1159	337-1299	<300
0.2-0.5	179-711	450-1132	<300
0.5-2.0	129-520	294-1115	<300
2.0-5.0	74-345	233-928	<150
5.0-10	66-338	218-852	<100
10-15	67-189	167-563	<100
Adults	67-140	145-324	<100

Interpretation performed by Keith Hyland, Ph.D.

Note: If test results are inconsistent with the clinical presentation, please call our laboratory to discuss the case and/or submit a second sample for confirmatory testing.