MAYO CLINIC LABORATORIES

Test Definition: FP5PC

Pyridoxal 5-phosphate (CSF)

Reporting Title: Pyridoxal 5-phosphate Conc., CSF
Performing Location: Medical Neurogenetics, LLC

Shipping Instructions:

Ship samples frozen on dry ice

Specimen Requirements:

Medical Neurogenetics collection kit (MCL T657) required.

NOTE:

One set of tubes is required per patient.
Total CSF volume required is 4.5 milliliters
Each collection kit contains 5 micro centrifuge tubes.
Tube #3 contains antioxidants necessary to perform this test.

COLLECTION PROTOCOL:

CSF should be collected from the first drop into the tubes **in the numbered** order.

1) 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.

Forms:

Specimen Type	Temperature	Time	Special Container
CSF	Frozen		CSF KIT

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z4918	Pyridoxal 5-Phosphate Concentration	Numeric	nmol/L	Not Provided

Z4919	Interpretation	Alphanumeric		Not Provided

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

Supplemental Report:

No

CPT Code Information:

82542

Reference Values:

30-80 nmol/L 0 to <3 months
23-65 nmol/L 3 months to <1 years
15-51 nmol/L 1 year to <4 years
10-37 nmol/L 4 years to adult