

Test Definition: FHBNP

Tetrahydrobiopterin (BH4) & Neopterin (N) Profile

Reporting Title: Tetrahydrobiopterin/Neopterin Prof

Performing Location: Baylor University M

Specimen Requirements:

REQUIRED:

- 1. Baylor collection kit (MML Supply T612) required. Each collection kit contains 5 microcentrifuge tubes in a cardboard holder. Tube #3 contains antioxidants necessary to protect the sample integrity. One set of tubes is required per patient.
- 2. Baylor request form and collection protocol.
- 3. Collection date
- 4. Date of birth
- 5. Current medications and relevant history

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: 0.5 mL

Tube 3: 1.0 mL (contains antioxidants necessary to protect sample integrity)

Tube 4: 1.0 mL Tube 5: 0.5 mL

- -If samples not blood contaminated should be placed on dry ice at bedside
- -If samples 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 sample at -80 until the can be shipped.
- 2) Complete Baylor Neuropharmacology request form. Include test required, sample date, date of birth, current medications and relevant history.
- 3) Label tubes with patient name and ID number, leaving the tube number viewable.
- 4) Place samples inside a specimen transport bag and the Baylor request form inside the pouch of the transport bag.
- 5) Ship samples frozen on dry ice.

Specimen Type	Temperature	Time
CSF	Frozen	



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Result Codes:

Result ID	Reporting Name	Туре	Unit	LOINC®
Z2875	Neopterin (Neop/N)	Numeric		
Z2876	Tetrahydrobiopterin (BH4)	Numeric		
Z2975	Interpretation	Alphanumeric		

CPT Code Information:

82492

Reference Values:

CSF BH4

Newborn 0 - 2 months 40 - 105 Infant 2 - 6 months 23 - 98 Toddler 6 months - 2 years 20 - 58 Child 2 - 5 years 20 - 58 Older Child 5 - 10 years 9 - 40 Adolescent 10 - 15 years 9 - 32 Adult >15 years 12 - 30

CSF Neopterin

Newborn 0 - 2 months 7 - 65 Infant 2 - 6 months 7 - 65 Toddler 6 months - 2 years 7 - 65 Child 2 - 5 years 7 - 65 Older Child 5 - 10 years 7 - 65 Adolescent 10 - 15 years 7 - 65 Adult >15 years 7 - 65

Test Performed by: Baylor Institute of Metabolic Disease
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