

Neurofilament Light Chain (NfL), Plasma

Test ID: NFLC

Useful for:

Assessing neuronal damage related to various neurodegenerative diseases.

Methods:

Digital Immunoassay

Reference Values:

< 20 years: Not established
20 to <30 years: < or =8.4 pg/mL
30 to <40 years: < or =11.4 pg/mL
40 to <50 years: < or =15.4 pg/mL
50 to <60 years: < or =20.8 pg/mL
60 to <70 years: < or =28.0 pg/mL
70 to <80 years: < or =37.9 pg/mL
> or =80 years: < or =51.2 pg/mL

Specimen Requirements:

Collection Container/Tube: Lavender top (EDTA)

Submission Container/Tube: Plastic screw-top vial

Specimen Volume: 1.5 mL

Collection Instructions: Centrifuge and aliquot plasma into plastic vial. **Do not submit specimen in original tube.**

Minimum Volume: 0.75 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma EDTA	Frozen (preferred)	90 days
	Refrigerated	7 days

Cautions:

Increases in neurofilament light chain (NfL) are not disease specific. Results should only be used in conjunction with other clinical information when evaluating patients with neurodegeneration.

Higher concentrations of NfL may be found in persons with history of stroke, atrial fibrillation, myocardial infarction, chronic kidney disease, pregnancy, and diabetes.

Lower concentrations of NfL may be found in individuals with obesity (BMI > or =30).

CPT Code:

83520

Day(s) Performed: Wednesday **Report Available:** 1 to 7 days

Questions

Contact Bethany Feind, Laboratory Technologist Resource Coordinator at 800-533-1710.