



Improving patients' lives using Neurofilament Light Chain (NfL) testing

Affordable, non-invasive blood biomarkers for faster neurological answers

Labcorp is committed to developing and delivering innovative testing solutions to help support the evaluation and diagnosis of neurological disorders and diseases. NfL is our latest offering to support you in delivering meaningful insights to your patients faster.



NfL at a glance

Neurofilament light chain (NfL) is a neuron-specific protein routinely released into the extracellular space. Serum NfL levels rise above baseline levels in response to neuronal injury and neurodegeneration. NfL has been widely studied and has demonstrated utility for various neurodegenerative diseases¹, including:

- Multiple Sclerosis: Serum NfL has been widely studied as a marker of disease progression, treatment efficacy, and clinical outcomes^{1,2}.
- Alzheimer's Disease: Elevated serum NfL levels can be a predictor of disease progression in symptomatic patients with subjective cognitive decline³.
- Parkinson's Disease: Serum NfL levels correlate with disease severity and motor and cognitive decline^{4,5}.
- Amyotrophic Lateral Sclerosis (ALS): Serum NfL levels can have diagnostic and prognostic value for symptomatic patients⁶ and distinguish early onset ALS patients from those with other neurologic diseases⁷.
- Spinocerebellar Ataxias: NfL can help stratify preataxic individuals with regard to onset and facilitate early detection of neurodegeneration⁸.
- Concussion recovery: NfL can be used in conjunction with clinical observation, as a primary biomarker to assess return to play in concussed athletes⁹⁻¹¹.

Test No.	Test Name
140455	Neurofilament Light Chain (NfL), Serum

For more details regarding specimen collection and test details, visit labcorp.com/test-menu.

Labcorp Neurology

Our goal is to be your clinical and scientific partner in neurology. If you have an idea for a study utilizing NfL, we'd like to partner with you. Please send us an email at LabcorpNeurology@labcorp.com.



Test Interpretation

NfL levels in healthy patients are known to increase with age^{12,13}. Labcorp has established reference intervals by age groups to facilitate interpretation of NfL results.

References

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For more information about NfL and how it can benefit your patients, contact your Labcorp sales representative, or visit [Labcorp.com/NfL](https://labcorp.com/NfL)

