MAYO CLINIC LABORATORIES

Test Definition: FINA

NAbFeron (IFNB-1) Neutralizing Antibody Test

Overview

Useful For
Detection of antibodies to interferon-B-1

Method Name
Viral cytopathic effect assay

NY State Available
Yes

Specimen

Specimen Type
Serum

Specimen Required
Specimen Type: Serum
Container/Tube: Red or SST
Specimen Volume: 2 mL

Collection Instructions: Draw blood in a plain red-top tube(s), serum gel tube is acceptable. Spin down and send 2 mL of serum refrigerate in a plastic vial.

Note: Sample needs to be collected either before treatment with interferon or more than 24 hours following the most recent dose. Patient should not be on steroid therapy for at least two weeks prior to testing.

Specimen Minimum Volume
0.5 mL

Reject Due To

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	NA

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	28 days	

	Frozen	180 days	
	Ambient	72 hours	

Clinical & Interpretive

Reference Values
Final report has been sent to the referring laboratory.

Cautions
The present of neutralizing antibodies to interferon beta, especially in persistently high titers, may be associated with reduction in the clinical effectiveness of interferon beta therapy (1). Although the measurement of Nabs can add to the clinical and imaging information used to assess the efficacy of interferon beta therapy, these results should be interpreted in the context of clinical presentation and medical history (2, 3).

Although rare, false positive or false negative results may occur. All results should be interpreted in the context of clinical findings, relevant history, and other laboratory data.

Clinical Reference
1. Goodin, DS, et al. (2007) Neurology 68:977-984 (PMID: 17389300)
2. Polman, CH, et al.(2010) Lancet Neurol 9:740-50 (PMID: 20610349)
3. Creeke, Pl, et al. (2013) Ther Adv Neurol Disord 6:3-17 (PMID: 23277789)

Performance

PDF Report
Referral

Day(s) Performed
Monday through Friday

Report Available
14 to 25 days

Performing Laboratory Location
Athena Diagnostics

Fees & Codes

Fees
- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.

- Prospective clients should contact their account representative. For assistance, contact Customer Service.

Test Classification

This test was developed and its analytical performance characteristics have been determined by Athena Diagnostics. It has not been cleared or approved by U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes. .

CPT Code Information

86382

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FINA	NAbFeron (IFN-B) Antibody	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z0083	NAbFeron (IFN-B) Antibody	Not Provided