MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,FINA ABNORMAL	SA00062717	42	M	SA00062717
Ordering Phys CLIENT,CLIENT				**DOB** 11/09/1970
Client Order # SA00062717	**Account Information**			**Report Notes**
Collected 09/23/2013 13:00	C7028846-DLMP Rochester SDSC 2 - Client Support Rochester, MN 55901			
Printed 09/25/2013 12:54				

Test	Flag	Results	Unit	Reference Value	Perform Site*
NAbFeron (IFN-B) Antibody					Y007

RECEIVED: 09/24/2013 08:24 **REPORTED:** 09/24/2013 08:26

Interpretation
This individual possesses a level of neutralizing antibodies (NAbs) to beta interferon which may be related to diminished effectiveness of interferon therapy.

Technical Results
NAb Titer:67

Reference Range

Interferon natural human beta	Normal	Mild/Moderate Elevated	Highly Elevated
	Result Category and NAb Titer		
NAb	<20	>=20 - <=60	>60

Comments:

This analysis detected elevated levels of specific NAbs to natural human beta interferon.

Neutralizing antibodies to beta interferon may be associated with a reduction in clinical effectiveness of beta interferon therapy. Prescribing information states that 45% of patients on Betaseron (ref.5), 24% of patients on Rebif (ref 6) and 5% of patients on Avonex (ref 7) developed NAbs. Data suggest that these patients had diminished efficacy to therapy.(8) NAb analysis is recommended for patients whose condition appears to be deteriorating, or for monitoring NAb levels. (9)

Sera are stored frozen at Athena Diagnostics for 6 months.

This test was developed and its performance characteristics have been determined by Athena Diagnostics. Performance characteristics refer to the analytical performance of the test.

* Performing Site:

Y007	Athena Diagnostics 377 Plantation St Four Biotech Park Worcester, MA 01605	Lab Director:

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT,FINA ABNORMAL	09/23/2013 13:00	Final
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* Report times for Mayo performed tests are CST/CDT