

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 10/27/1953
Sex: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Oligoclonal Band Profile

ARUP test code 0080440

Immunoglobulin G	2875 mg/dL	H	(Ref Interval: 768-1632)
Immunoglobulin G CSF	41.4 mg/dL	H	(Ref Interval: 0.0-6.0)
Albumin, CSF	86 mg/dL	H	(Ref Interval: 0-35)
Albumin, Serum	2813 mg/dL	L	(Ref Interval: 3500-5200)
Albumin Index	30.6 ratio	H	(Ref Interval: 0.0-9.0)
CSF IgG Synthesis Rate	5.9 mg/d		(Ref Interval: <=8.0)
IgG Index	0.47 ratio		(Ref Interval: 0.28-0.66)
CSF IgG/Albumin Ratio	0.48 ratio	H	(Ref Interval: 0.09-0.25)
CSF Oligoclonal Bands	Positive	*	(Ref Interval: Negative)
Oligoclonal Bands Number, CSF	5 Bands	H	(Ref Interval: 0-1)

Interpretation

See Note

Clinical Interpretation: Isoelectric focusing/immunofixation revealed two or more unique oligoclonal bands in the CSF. No bands were observed in the serum. This result is consistent with intrathecal synthesis of immunoglobulin and is considered to be

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

a positive result for oligoclonal bands. Oligoclonal bands are present in approximately 95% of patients with multiple sclerosis but may also be present in the CSF from patients with viral or bacterial meningoencephalitis, subacute sclerosing panencephalitis, neurosyphilis, Guillain-Barre syndrome, or meningeal carcinomatosis.

Increased concentrations of IgG in the CSF is an important indicator for MS but may also be associated with increased permeability of the blood-CSF barrier, or increased local production of IgG, or both. Increased IgG production is demonstrated by an increased CSF IgG/Albumin ratio, IgG Index and IgG synthesis rate.

An elevated albumin index indicates damage to the blood-CSF barrier or contamination of CSF with blood during sample collection. An index value less than 9 is considered consistent with an intact barrier. Values of 9-14 are interpreted as slight impairment, of 14-30 as moderate impairment, and of 30-100 as severe impairment. Values exceeding 100 indicate complete breakdown of the barrier.

INTERPRETIVE INFORMATION: Oligoclonal Band Profile

To ensure accurate result interpretation, it is recommended that both CSF and serum specimens be collected on the same day. If specimens are not collected within this specified timeframe, it is advised to exercise caution when interpreting the results.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Immunoglobulin G	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/9/2025 1:13:00 PM
Immunoglobulin G CSF	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/9/2025 1:13:00 PM
Albumin, CSF	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/9/2025 1:13:00 PM
Albumin, Serum	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/9/2025 1:13:00 PM
Albumin Index	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/9/2025 1:13:00 PM
CSF IgG Synthesis Rate	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/9/2025 1:13:00 PM
IgG Index	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/9/2025 1:13:00 PM
CSF IgG/Albumin Ratio	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/9/2025 1:13:00 PM
CSF Oligoclonal Bands	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/10/2025 11:59:00 AM
Oligoclonal Bands Number, CSF	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/10/2025 11:59:00 AM
Interpretation	25-220-127674	8/8/2025 11:58:00 AM	8/9/2025 9:06:40 AM	8/10/2025 11:59:00 AM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

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