

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 9/24/1996
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Oligoclonal Band Profile

ARUP test code 0080440

Immunoglobulin G	1330 mg/dL		(Ref Interval: 768-1632)
	REFERENCE INTERVAL: Immunoglobulin G		
	Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).		
Immunoglobulin G CSF	43.0 mg/dL	H	(Ref Interval: 0.0-6.0)
	Hemolysis and/or red blood cells, observed in this patients cerebrospinal fluid sample, may falsely elevate the IgG CSF, Albumin CSF, and abnormally alter the indices calculated using these values. Interpret results with caution.		
Albumin, CSF	190 mg/dL	H	(Ref Interval: 0-35)
Albumin by Nephelometry	4030 mg/dL		(Ref Interval: 3500-5200)
Albumin Index	47.1 ratio	H	(Ref Interval: 0.0-9.0)
CSF IgG Synthesis Rate	74.7 mg/d	H	(Ref Interval: <=8.0)
IgG Index	0.69 ratio	H	(Ref Interval: 0.28-0.66)
CSF IgG/Albumin Ratio	0.23 ratio		(Ref Interval: 0.09-0.25)
CSF Oligoclonal Bands	Negative		(Ref Interval: Negative)

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

Unless otherwise indicated, testing performed at:

Oligoclonal Bands Number, CSF

0 Bands

(Ref Interval: 0-1)

Interpretation

See Note

Isoelectric focusing/immunofixation reveals identical bands in the CSF and the serum. This is consistent with a systemic, not intrathecal, immune reaction and is considered to be a negative result for oligoclonal bands. Approximately 5 percent of patients with clinically definitive multiple sclerosis will have a negative result.

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.

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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 18-302-140415
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 2 of 3 | Printed: 12/7/2020 3:22:55 PM
4848

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Immunoglobulin G	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 4:56:00 AM
Immunoglobulin G CSF	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 4:56:00 AM
Albumin, CSF	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 4:56:00 AM
Albumin by Nephelometry	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 4:56:00 AM
Albumin Index	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 4:56:00 AM
CSF IgG Synthesis Rate	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 4:56:00 AM
IgG Index	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 4:56:00 AM
CSF IgG/Albumin Ratio	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 4:56:00 AM
CSF Oligoclonal Bands	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 8:51:00 PM
Oligoclonal Bands Number, CSF	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 8:51:00 PM
Interpretation	18-302-140415	10/29/2018 4:18:00 PM	10/31/2018 9:24:41 AM	11/1/2018 8:51:00 PM

END OF CHART

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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 18-302-140415
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 3 of 3 | Printed: 12/7/2020 3:22:55 PM
4848