

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 2/1/2002  
**Gender:** Unknown  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Aquaporin-4 Antibody, IgG by CBA-IFA with Reflex to Titer, Serum**

ARUP test code 2013320

NMO/AQP4 Ab IgG CBA-IFA Screen, Serum

**Detected \* (Ref Interval: <1:10)**

Aquaporin-4 Receptor Antibody, IgG is detected. Titer results to follow.

INTERPRETIVE INFORMATION: NMO/AQP4 Ab IgG CBA-IFA Screen, Serum

Neuromyelitis optic (NMO) commonly presents with optic neuritis or longitudinally extensive transverse myelitis. Approximately 75 percent of patients with NMO have antibodies to the aquaporin-4 (AQP4) receptor. While the absence of AQP4 receptor antibodies does not rule out a diagnosis of NMO, presence of this antibody is diagnostic for NMO.

This indirect fluorescent antibody assay utilizes AQP4 receptor transfected cell lines for the detection and semiquantification of AQP4 IgG antibody.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

**Aquaporin-4 Receptor Antibody Titer, IgG by CBA-IFA, Serum (Reflex for 2013320 AQP4 SER - Not Orderable by Clients)**

ARUP test code 2013323

NMO/AQP4 Ab IgG CBA-IFA Titer, Serum

**1:40 \* (Ref Interval: <1:10)**

INTERPRETIVE INFORMATION: NMO/AQP4 Ab IgG CBA-IFA Titer, Serum

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

**Aquaporin-4 Receptor Antibody by ELISA with Reflex to Aquaporin-4 Receptor Antibody, IgG by IFA**

ARUP test code 2013327

Aquaporin-4 Receptor Antibody

**45.0 U/mL H (Ref Interval: <=2.9)**

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

AQP4 antibodies detected by ELISA. IFA testing to follow.

**INTERPRETIVE INFORMATION: Aquaporin-4 Receptor Antibody**

Negative ..... 2.9 U/mL or less  
Positive ..... 3.0 U/mL or greater

Approximately 75 percent of patients with neuromyelitis optica (NMO) express antibodies to the aquaporin-4 (AQP4) receptor. Diagnosis of NMO requires the presence of longitudinally extensive acute myelitis (lesions extending over 3 or more vertebral segments) and optic neuritis. While absence of antibodies to the AQP4 receptor does not rule out the diagnosis of NMO, presence of this antibody is diagnostic for NMO.

**VERIFIED/REPORTED DATES**

Procedure	Accession	Collected	Received	Verified/Reported
NMO/AQP4 Ab IgG CBA-IFA Screen, Serum	23-241-110671	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
NMO/AQP4 Ab IgG CBA-IFA Titer, Serum	23-241-110671	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Aquaporin-4 Receptor Antibody	23-241-110671	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

**END OF CHART**

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

*Unless otherwise indicated, testing performed at:*