

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 8/21/1991
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Acetylcholine Receptor Binding Antibody with reflex to Muscle-Specific Kinase (MuSK) Ab, IgG

ARUP test code 3001868

Acetylcholine Binding Antibody 0.3 nmol/L (Ref Interval: 0.0-0.4)

INTERPRETIVE INFORMATION: Acetylcholine Binding Ab

Negative 0.0 - 0.4 nmol/L
Positive 0.5 nmol/L or greater

Approximately 85-90 percent of patients with myasthenia gravis (MG) express antibodies to the acetylcholine receptor (AChR), which can be divided into binding, blocking, and modulating antibodies. Binding antibody can activate complement and lead to loss of AChR. Blocking antibody may impair binding of acetylcholine to the receptor, leading to poor muscle contraction. Modulating antibody causes receptor endocytosis resulting in loss of AChR expression, which correlates most closely with clinical severity of disease. Approximately 10-15 percent of individuals with confirmed myasthenia gravis have no measurable binding, blocking, or modulating antibodies.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

Muscle-Specific Kinase (MuSK) Antibody, IgG

ARUP test code 3001576

Muscle-Specific Kinase (MuSK) Ab, IgG 0.03 nmol/L (Ref Interval: 0.00-0.03)

INTERPRETIVE INFORMATION: Muscle-Specific Kinase (MuSK) Ab, IgG

Negative 0.00-0.03 nmol/L
Positive 0.04 nmol/L or greater

Muscle-specific kinase (MuSK) antibody is found in a subset of patients with myasthenia gravis, primarily those seronegative for muscle acetylcholine receptor (AChR) antibody. Decreasing antibody levels may be associated with therapeutic response; therefore, clinical correlation must be strongly considered. A negative test result does not rule out a diagnosis of myasthenia gravis.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement A: aruplab.com/CS

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: 19-234-109730
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Acetylcholine Binding Antibody	19-234-109730	8/22/2019 12:33:00 PM	8/22/2019 12:37:01 PM	8/22/2019 12:38:00 PM
Muscle-Specific Kinase (MuSK) Ab, IgG	19-234-109730	8/22/2019 12:33:00 PM	8/22/2019 12:37:37 PM	8/22/2019 12:38:00 PM

END OF CHART

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

Unless otherwise indicated, testing performed at: