

## Division of Laboratory Medicine

Immunology

# Acetylcholine receptor antibody

## General information

Acts as a confirmatory test for myasthenia gravis.

**Specimen transport:** At room temperature

**Repeat frequency:** At change of clinical symptoms

**Special precautions:** None

## Laboratory information

**Normal reference range:** 0 - 0.44nmol/L

**Volume and sample type:** 7ml serum

**Method:** ELISA

**Assay Interferences:** Do not use lipaemic or haemolysed serum samples.

**Turnaround time (calendar days from sample receipt to authorised result):** Median - 7

## Clinical information

Indications for the test: 90% of patients with generalised myasthenia gravis and about 60-70% of patients with ocular myasthenia have detectable AChR antibodies. Can be used to monitor disease activity, but antibodies may persist in 60% of patients even if disease is in remission.

The assay also detects antibodies to the foetal form of the AChR in mother of fetuses with Arthrogryposis multiplex congenital.

**Participation in EQA Scheme:** UK NEQAS for Acetylcholine receptor antibody

**(Last updated March 2021)**