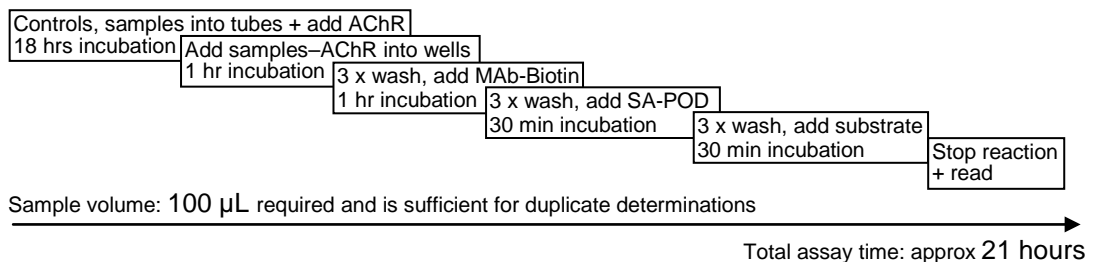


**Description:** Enzyme linked immunosorbent assay (ELISA) kit for the quantitative determination of autoantibodies to the acetylcholine receptor (AChR) in serum. Method based on three different monoclonal autoantibodies which bind to epitopes on the AChR which are similar to those recognised by autoantibodies in the serum of patients with Myasthenia Gravis.

**Disease application:** Myasthenia Gravis (MG)

**Test samples:** Sera can be used. Do not use lipaemic or haemolysed samples or plasma samples.

**Assay method:**



**Sensitivity:** 92% n = 83 for Myasthenia Gravis patients

**Specificity:** 100% n = 302 for healthy blood donors

**Calibrator range:** 0.5 - 20 nmoles/L  
Kit negative control is assigned a value of 0.2 nmoles/L

**Cut-off:** Negative: < 0.45 nmoles/L; Positive: ≥ 0.45 nmoles/L

**Lower detection limit:** 0.25 nmoles/L (mean + 2 standard deviations in assay of negative control; n = 20)

**Advantages:** The first sensitive and specific non-isotopic assay available for measuring AChR autoantibodies. Convenient format suitable for use in routine clinical laboratories.

**Features:** Reliable and convenient method to measure autoantibodies to both foetal and adult AChR in Myasthenia Gravis. AChR Ab levels in test samples expressed in nmoles/L are comparable to levels measured in RiaRSR™ AChR Ab.

**Note:** For maintaining accuracy of assay results, RSR participates in the UK NEQAS (national external quality assessment service) scheme

**Kit size:** 96 wells

**Order code:** ACE/96

**Literature:** R Hewer et al  
A sensitive non-isotopic assay for acetylcholine receptor autoantibodies  
Clinica Chimica Acta 2006 **364**: 159-166

This kit is intended for in-vitro use by professional persons only. The data quoted is for guidance only. Each laboratory should establish its own normal and pathological reference ranges for the assay and should include its own panel of control samples in the assay along with the controls provided as part of the kit.

**RSR Limited**

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