RSR

TECHNICAL INFORMATION

ACETYLCHOLINE RECEPTOR (AChR) AUTOANTIBODY RIA KIT

RiaRSR™ AChR Ab

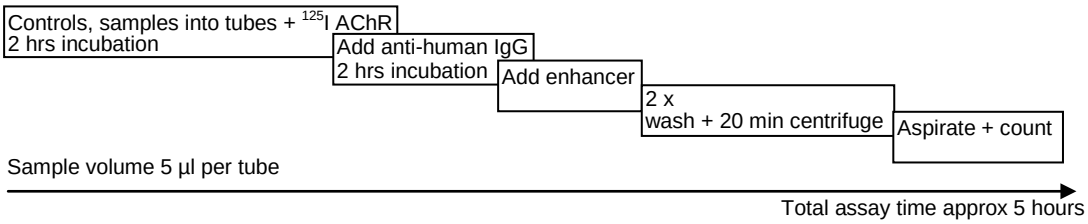
CE

98/79/EC

Description: Radioimmunoassay (RIA) kit for the determination of autoantibodies to acetylcholine receptor (AChR) in serum

Disease application: Myasthenia Gravis (MG)

Assay method:



Sensitivity: 100% n = 53 for Myasthenia Gravis patients

Specificity: 98% n = 112 for healthy blood donors

Calibrator range: 0.25 - 8 nmoles/L (In the case of using calibrators optionally)

Cut-off: Negative: <0.5 nmoles/L; Positive: ≥0.5 nmoles/L

Lower detection limit: 0.02 nmoles/L (mean + 2 standard deviations in assay of negative control; n = 20)

Advantages: Easy assay format suitable for use in routine clinical laboratories, providing a specific and sensitive assay

Features: Reliable and convenient method which detects autoantibodies to both foetal and adult AChR

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

Kit size: 25 tubes, 50 tubes, 100 tubes

Order code: RBA/25, RBA/50, RBA/100

Literature:

Antibody to acetylcholine receptor in myasthenia gravis
J. M. Lindstrom et al
Neurology 1976 **26**: 1054-1059

Acetylcholine receptor antibody as a diagnostic test for myasthenia gravis: results in 153 validated cases and 2967 diagnostic assays
A. Vincent and J. Newsom-Davis
J. Neurol. Neurosur. Psych. 1985 **48**: 1246-1252

Frequency of anti-AChR ε subunit-specific antibodies in MG
K. Ohta et al
Autoimmunity 2003 **36**: 151-154

Muscle-specific receptor tyrosine kinase autoantibodies – a new immunoprecipitation assay
I. Matthews et al
Clinica Chimica Acta 2004 **348**: 95-99

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.

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