

**RiaRSR™ MuSK Ab**

98/79/EC

**Description:** Radioimmunoassay (RIA) kit for the determination of autoantibodies to muscle specific tyrosine kinase (MuSK) in serum

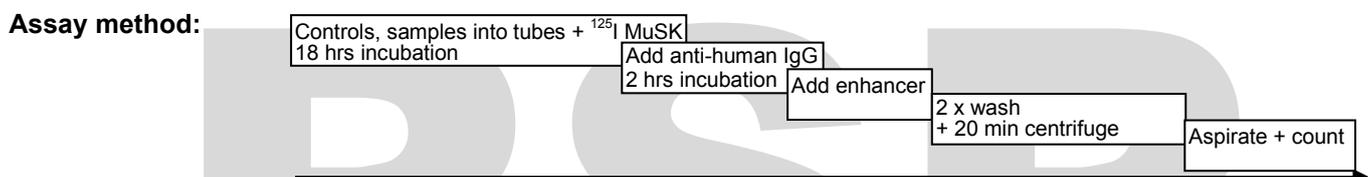
**Disease application:** Myasthenia Gravis (MG)

**Test samples:** Sera can be used. Do not use lipaemic or haemolysed serum samples or plasma samples. No interference was observed when samples were spiked with bilirubin up to 20 mg/dL, haemoglobin up to 500 mg/dL or intralipid up to 3,000 mg/dL.

**Assay tubes:** Polystyrene conical bottomed tubes, 4.5mL, 75 x 12 mm

**Sample volume:** 5 µL per tube

**Total assay time:** Approx. 20 hours



**Sensitivity:** 100% n = 18 for MG patients who are negative for AChR Ab

**Specificity:** 100% n = 50 for healthy blood donors

**Cut-off:** Negative: <0.05 nmoles/L; Positive: ≥0.05 nmoles/L

**Lower detection limit:** 0.0023 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 highly specific and sensitive assay

**Features:** Reliable and convenient method which detects autoantibodies to MuSK in MG patients who are negative for AChR Ab

**Kit size:** 25 tubes

**Order code:** MSK/25

**Literature:** W Hoch et al  
Auto-antibodies to the receptor tyrosine kinase MuSK in patients with Myasthenia Gravis without acetylcholine receptor antibodies  
Nat Med 2001 7: 365-368

I Matthews et al  
Muscle-specific receptor tyrosine kinase autoantibodies – a new immunoprecipitation assay  
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.

**RSR Limited****Diagnostics for Autoimmunity**

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