

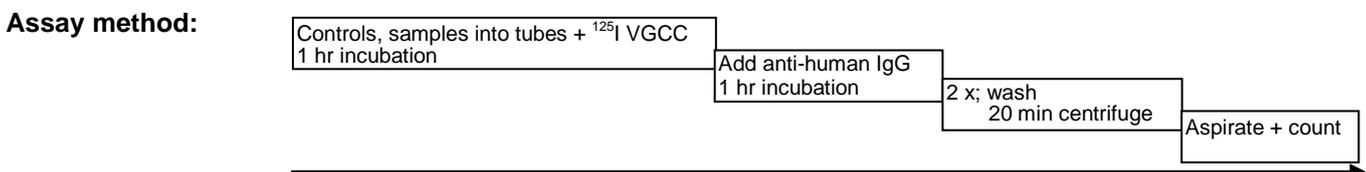
Description: Radioimmunoassay (RIA) kit for the determination of autoantibodies to P-type voltage-gated calcium channels (VGCC) in serum

Disease application: Lambert-Eaton myasthenic syndrome (LEMS)

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

Sample volume: 15 µL for 1 patient sample for 1 assay (25 µL per tube after dilution)

Total assay time: Approx. 3 hours



Sensitivity: 100% n = 50 for LEMS patients

Specificity: 100% n = 160 for healthy blood donors

Calibrator range: N/A

Cut-off: Negative: ≤30pmoles/L; Positive: >30pmoles/L

Lower detection limit: 2.86 pmoles/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 for VGCC autoantibodies.

Features: Reliable and convenient method to measure specific P-type VGCC autoantibodies, which are a specific marker for LEMS. Measurement of VGCC autoantibodies can be of considerable value in distinguishing LEMS from Myasthenia Gravis (MG) when full clinical features may not be apparent and early intervention may prevent or delay disability, and also, may be of help for complications with small cell lung carcinoma (SCLC).

Kit size: 25 tubes

Order code: LEMS/25

Literature: M Motomura et al, J Neurol Neurosurg Psychiatry 1995 **58**:85-87
An improved diagnostic assay for Lambert-Eaton myasthenic syndrome

V A Lennon et al, N Engl J Med 1995 **332**:1467-1474 Calcium-channel antibodies in the Lambert-Eaton syndrome and other paraneoplastic syndromes

I Matthews et al, Clin Chim Acta 2004 **348**:95-99
Muscle-specific receptor tyrosine kinase autoantibodies – a new immunoprecipitation assay

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

Avenue Park Pentwyn, Cardiff, CF23 8HE United Kingdom
http://www.rsrltd.com E-mail: info@rsrltd.com

Tel: +44 (0) 29 2073 2076
Fax: +44 (0) 29 2073 2704

©RSR Limited All Rights Reserved
03 September 2015
TECH/RiaRSR VGCC Ab Rev3