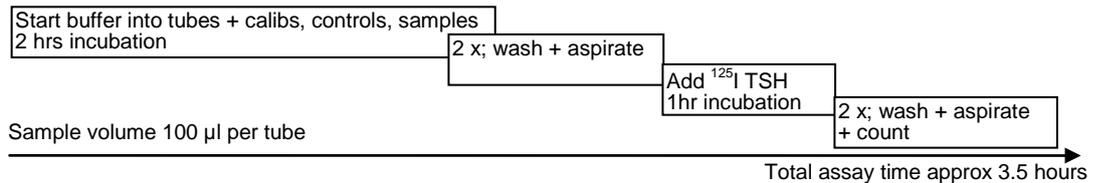


Description: 2nd generation coated-tube (CT) radioimmunoassay (RIA) kit for the determination of autoantibodies to the TSH receptor (TSHR) in serum

Disease application: Graves' disease

Assay method:



Sensitivity: 92% n = 50 for Graves' disease (treated and untreated patients)

Specificity: 100% n = 242 for healthy blood donors

Calibrator range: 1 - 40 units/L (units: NIBSC 90/672)

Cut-off: Negative: ≤1.0 unit/L; Positive: >1.5 unit/L; Borderline Positive: >1.0 – ≤1.5 units/L

Lower detection limit: 0.33 units/L (mean -2 standard deviations in assay of negative control; n = 20)

Advantages: Easy and convenient coated tube format suitable for use in a routine clinical laboratory

Features: Sensitive, specific and robust assay for use in the diagnosis and management of Graves' disease

Kit size: 60 tubes, 100 tubes

Order code: TCT/60, TCT/100

Literature: "The interaction of TSH receptor autoantibodies with ¹²⁵I-labelled TSH receptor"
J. Sanders et al
J. Clin. Endocrinol. Metab. 1999 **84**: 3797-3802

"Thyroid autoantibodies"
B. Rees Smith
Scand. J. Clin. Lab. Invest. 2001 **61** (suppl.235): 45-52

"TSH-receptor antibody measurement in patients with various thyrotoxicosis and Hashimoto's Thyroiditis: a comparison of two two-step assays, coated plate ELISA using porcine TSH-receptor and coated tube radioassay using human recombinant TSH-receptor"
K. Kamijo et al
Endocrine Journal 2003 **50**: 113-116

"A new assay for thyrotropin receptor autoantibodies"
B. Rees Smith et al
Thyroid 2004 **14**: 830-835

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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