RSR

TECHNICAL INFORMATION

THYROGLOBULIN (Tg) IRMA KIT

CE

RiaRSR™ Tg

Description: Immunoradiometric assay (IRMA) kit for the quantitative determination of thyroglobulin (Tg) in serum

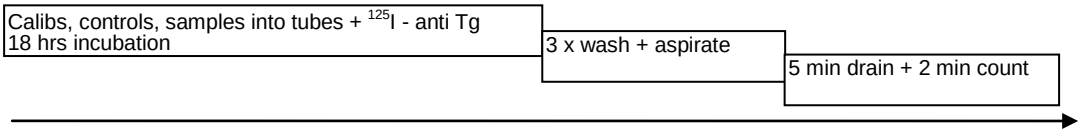
Disease application: Thyroid cancer monitoring

Test samples: Sera are to be used but do not use lipaemic or haemoloysed samples. Plasma should not be used in the assay.

Sample volume: 100 µL per tube

Total assay time: Approx. 19 hours

Assay method:



Sensitivity: Functional sensitivity; 0.6 ng/mL

Normal value: In 420 thyroid autoantibody negative healthy blood donors (36% female) Tg levels ranged from 1.9 to 485 ng/mL (mean ± SD = 29 ± 41; median = 19.5).
The lowest 10 sera were 1.9, 3.2, 3.4, 3.4, 3.6, 4.4, 4.7, 4.8, 5.1 and 5.2 ng/mL.
The highest 10 sera were 99, 102, 113, 149, 186, 256, 268, 320, 378 and 485 ng/mL.

Calibrator range: 0.3 – 250 ng/mL CRM 457 (Community Bureau of Reference, Brussels)

Lower detection limit: 0.14 ng/mL (mean of Kit diluent for serum + 2SD; n = 20)

Advantages: Easy to use robust coated tube IRMA.

Features: Recovery test reagents provided as part of the kit

Kit size: 100 tubes

Order code: MDT/100

Literature:

G Wunderlich et al, Thyroid 2001 **11**: 819-824
A high-sensitivity enzyme-linked immunosorbent assay for serum thyroglobulin.

K Zöphel et al, Thyroid 2003 **13**: 861-865
Serum Thyroglobulin measurements with a high sensitivity enzyme-linked immunosorbent assay: Is there a clinical benefit in patients with differentiated thyroid carcinoma?

R Görges et al, European Journal of Endocrinology 2005 **153**: 49-53
Development and clinical impact of thyroglobulin antibodies in patients with differentiated thyroid carcinoma during the first 3 years after thyroidectomy.

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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