

TSH Receptor Autoantibody (TRAb) Coated Tube

RADIOIMMUNOASSAY

THYROID

ASSAY CHARACTERISTICS

Semi-Quantitative:	Reported as U/L; or % Inhibition Index
Calibration:	4 Calibrators, 1– 40 U/L NIBSC 90/672
Controls (Included):	1 Positive, 1 Negative

TOTAL RUNNING TIME

3 Hours

SPECIMEN MATRIX

Human Serum

REFERENCE RANGE

≤ 1.0 U/L: Negative
1.1 - ≤ 1.5 U/L: Borderline
> 1.5 U/L: Positive

PRECISION

Intra-Assay Dose (U/L)	% CV	Inter-Assay Dose (U/L)	% CV
1.7	5.3	0.83	15.1
4.5	4.7	3.8	7.2

The KRONUS TSH Receptor Autoantibody (TRAb) Coated Tube (CT) RIA Assay Kit is designed to measure human serum autoantibodies to the thyroid stimulating hormone (TSH or thyrotropin) receptor, and is useful as an aid in the differential diagnosis of Graves' Disease.

There is convincing evidence that autoantibodies to TSH receptor (TRAb) are responsible for Graves' hyperthyroidism. These antibodies are detectable in approximately 90% of untreated Graves' patients when measured by receptor assays. The presence of TRAb indicates that the patient's thyrotoxicosis is of autoimmune etiology rather than due to toxic nodular goiter. Because the form of treatment for Graves' disease may differ from the treatment of other forms of thyrotoxicosis, an initial TRAb measurement is clearly of value.

Additionally, TRAb levels tend to fall during antithyroid drug treatment for Graves' disease. The absence of antibodies after a course of drug therapy may indicate disease remission, and the withdrawal of therapy can be considered. If TRAb are still present after a course of antithyroid drugs, the risk of relapse is high, and surgery or radioiodine therapy can be considered.

The measurement of TRAb by receptor assay provides a rapid, sensitive and inexpensive diagnostic marker for Graves' disease.

ORDERING INFORMATION

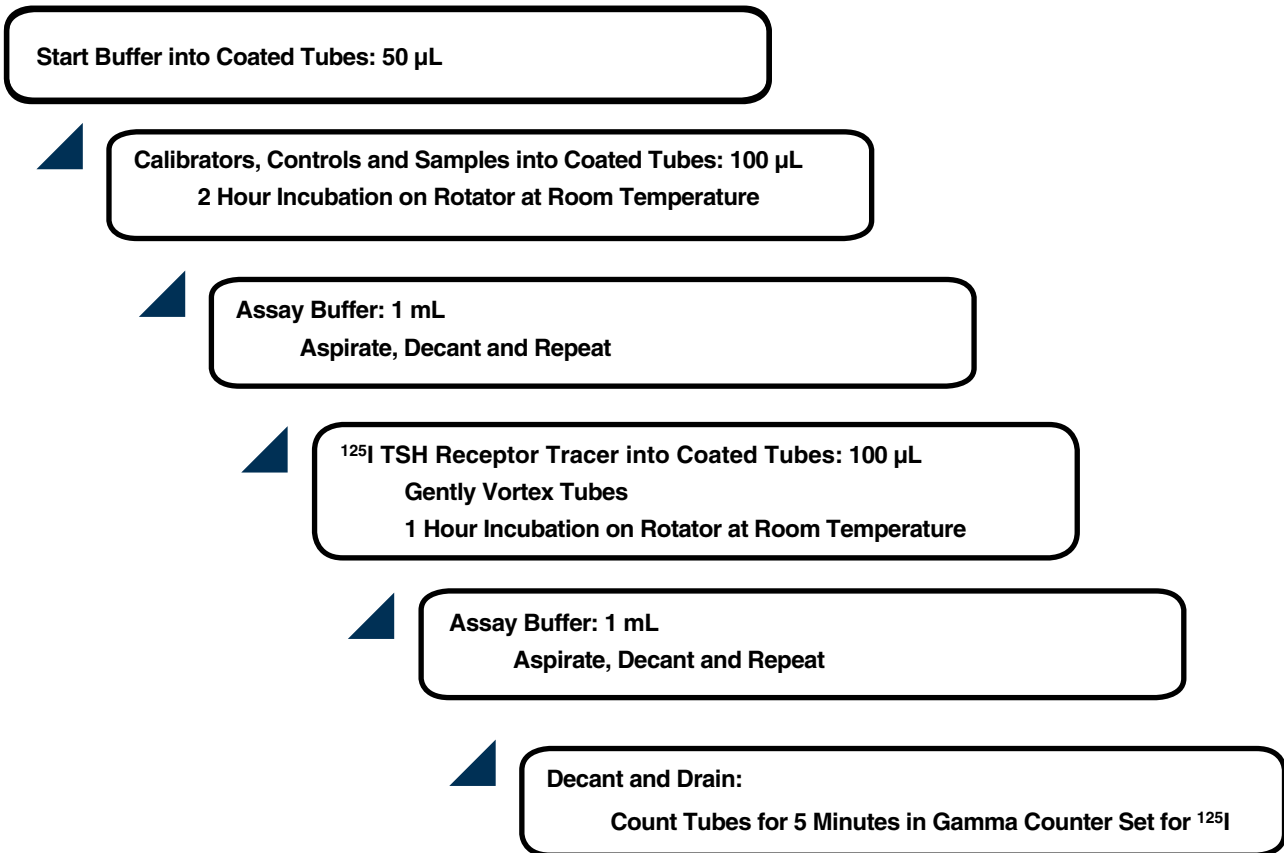
KR7060 — 60 Tube Kit
KR7120 — 120 Tube Kit

For In Vitro Diagnostic Use



ASSAY PROCEDURE

Sample Volume: 100 µL per Tube



Total Assay Time is Approximately 3 Hours

REFERENCES

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8. Wilson R, McKillop JH, Henderson N, Pearson DW, Thomson JA. The ability of the serum thyrotrophin receptor antibody (TRAb) index and HLA status to predict long-term remission of thyrotoxicosis following medical therapy for Graves' disease. Clin Endocrinol. 1986 Aug;25(2):151-156.
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...Your Source for Sensitive Autoimmune Diagnostics

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Manufactured Under License to US Patent 6,844,162 B1.

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