



BRIA MAG-4 KIT FOR THYROXINE (T₄)

BRIA MAG-4 is BRIT's solid phase radioimmunoassay (RIA) kit based on magnetic particles for the quantitative measurement of total Thyroxine (T₄) in human serum for the diagnosis and monitoring of various thyroid disorders.

SALIENT ASSAY FEATURES

- Only three pipetting steps
- Serum based ready to use standards stable for 3 months
- Solid phase separation system based on magnetizable cellulose particles
- Standard range and sensitivity to cover the entire clinical need
- Rugged, reliable and user-friendly assay system

REAGENTS PROVIDED

COMPONENT	BRIA MAG-4 100 estimations	BRIA MAG-4 200 estimations	BRIA MAG-4 500 estimations
1. Anti -T ₄ antibody coupled to magnetic particles (ready to use)	1 vial	2 vials	5 vials
2. ¹²⁵ I - T ₄ (tracer) (lyophilized)	1 vial	2 vials	5 vials
3. T ₄ standards in serum 6 vials of following concentration: 0, 15, 30, 60, 120 and 240 ng/ml (ready to use)	1 vial each	1 vial each	2 vials each
4. Control serum A & B (lyophilized)	1 vial	2 vials	2 vials
5. Assay buffer (ready to use)	1 vial	2 vials	3 vials
6. Wash solution	1 vial	2 vials	5 vials
7. Plain polystyrene tubes	100 tubes	200 tubes	500 tubes



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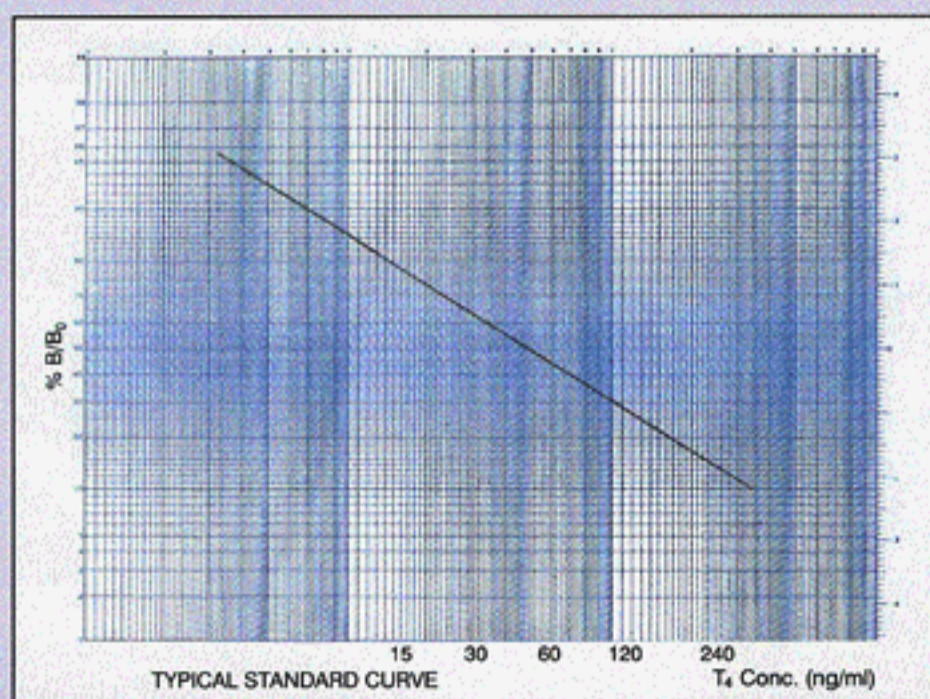
ASSAY PROCEDURE

- Use plain polystyrene assay tubes supplied along with the kit
- Add 25 μ l of standard, control or sample
- Add 100 μ l of tracer and 100 μ l of anti- T_4 antibody coupled to magnetic particles
- Vortex and incubate for two hours
- Add 1 ml of wash solution to all the tubes
- Vortex and place the tubes on a magnetic rack
- Discard the supernatant by gently inverting the magnetic rack
- Count the tubes for 1 min in a NaI(Tl) scintillation counter calibrated for I-125
- Calculate the results

- Refer to kit protocol for detailed assay procedure
- Magnetic rack available on request (conditions apply)

TYPICAL STANDARD CURVE DATA

Standard (ng/ml)	CPM	Average CPM	% B/B ₀
0	31579, 31066	31323	60 (% B ₀ /T)
15	25755, 25077	25416	81
30	19780, 19804	19792	63
60	12897, 12706	12802	41
120	8303, 8276	8290	26
240	5074, 5256	5165	16
Total Counts	52067, 52220	52144	



For placing the orders and further details please contact
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