



## BRIA MAG-3

### KIT FOR TRIIODOTHYRONINE (T<sub>3</sub>)

BRIA MAG-3 is BRIT's solid phase radioimmunoassay (RIA) kit based on magnetic particles for the quantitative measurement of total Triiodothyronine (T<sub>3</sub>) 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-3 100 estimations	BRIA MAG-3 200 estimations	BRIA MAG-3 500 estimations
1. Anti - T <sub>3</sub> antibody coupled to magnetic particles (ready to use)	1 vial	2 vials	5 vials
2. <sup>125</sup> I - T <sub>3</sub> (tracer) (lyophilized)	1 vial	2 vials	5 vials
3. T <sub>3</sub> standards in serum 6 vials of following concentration: 0, 0.3, 0.6, 1.2, 2.4 and 4.8 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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# BRIT

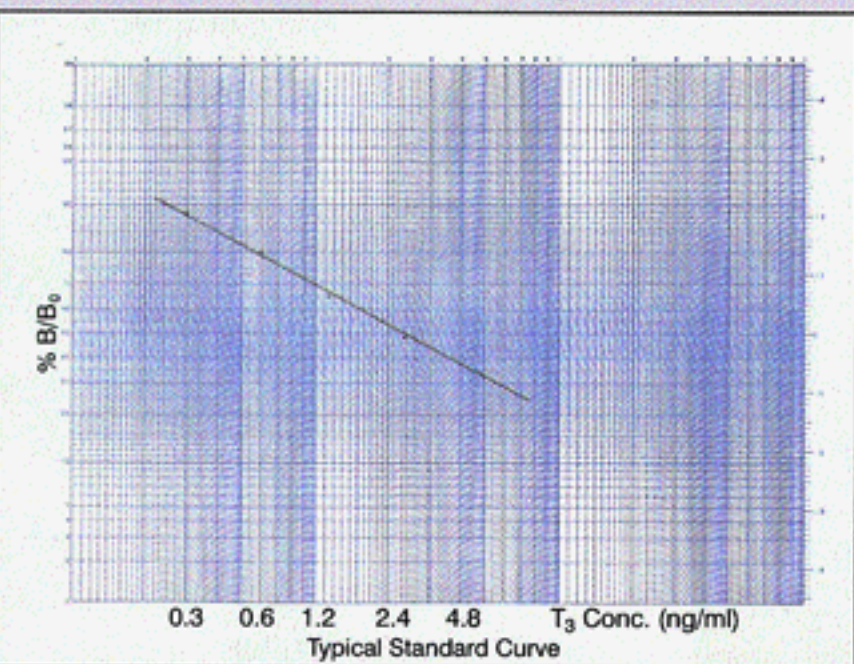
## ASSAY PROCEDURE

- Use plain polystyrene assay tubes supplied along with the kit
- Add 50  $\mu$ l of standard, control or sample
- Add 100  $\mu$ l of tracer and 100  $\mu$ l of anti -  $T_3$  antibody coupled to magnetic particles
- Vortex and incubate for three 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 <sub>0</sub>
0	19464, 19693	19579	43 (%B <sub>0</sub> /T)
0.3	17411, 17182	17297	88
0.6	15611, 15618	15615	80
1.2	12709, 12724	12717	65
2.4	9330, 9405	9368	48
4.8	6579, 6704	6642	34
Total Counts	45880, 46122	46001	



For placing the orders and further details please contact  
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