

BRIA MAG - 13 KIT FOR HUMAN PROLACTIN

BRIA MAG-13 is BRIT's immunoradiometric assay (IRMA) kit based on magnetic particles for the quantitative measurement of prolactin in human serum.

Prolactin is a polypeptide produced and released by lactotropic cells of pituitary gland. Prolactin plays a major role in postpartum lactation. Estimation of serum prolactin is very important in differentiation and diagnosis of various infertility related disorders such as anovulation, amenorrhea in women and oligospermia, testicular atrophy, erectile dysfunction in men. Majority of pituitary tumors are found to secrete elevated levels of prolactin.

The kit is available in three formats: sufficient for 100, 200 and 500 estimations

SALIENT ASSAY FEATURES

- Only three pipetting steps
- Serum based ready to use standards stable for 3 months
- User-friendly separation system based on magnetizable cellulose particles
- Standard range (0 - 100 ng/ml) and sensitivity (0.3 ng/ml) to cover the entire clinical need
- Rugged, reliable and user-friendly assay system

REAGENTS PROVIDED

| | COMPONENT | BRIA MAG -13 100 estimations | BRIA MAG - 13 200 estimations | BRIA MAG - 13 500 estimations |
|----|--|---------------------------------|----------------------------------|----------------------------------|
| 1. | Anti prolactin antibody coupled to magnetizable cellulose particles (ready to use) | 1 vial | 2 vials | 5 vials |
| 2. | ¹²⁵ I - Anti-prolactin antibody (tracer) (ready to use) | 1 vial | 2 vials | 5 vials |
| 3. | Prolactin standards in serum, 7 vials of following concentration: 0, 2.5, 5, 10, 20, 50 and 100 ng/ml (ready to use) | 1 vial each | 1 vial each | 2 vials each |
| 4. | Control serum A & B (lyophilized) | 1 vial each | 1 vial each | 2 vials each |
| 5. | Assay buffer (ready to use) | 1 vial | 2 vials | 5 vials |
| 6. | Wash concentrate | 1 vial | 2 vials | 5 vials |



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ASSAY PROCEDURE**

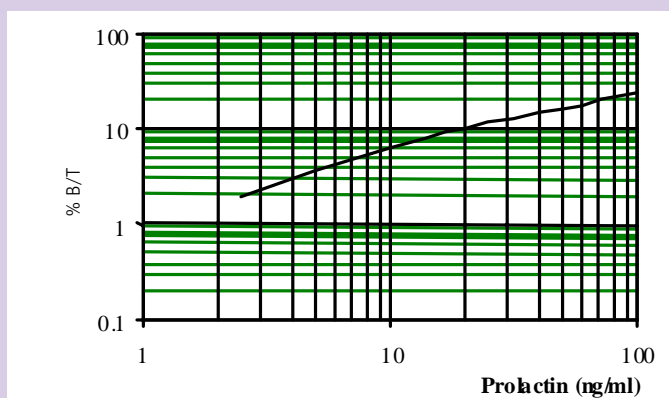
- Number plain polystyrene assay tubes
- Add 50 µl of standard, control or sample
- Add 100 µl of tracer and 100 µl of anti prolactin antibody coupled to magnetizable cellulose particles
- Vortex and incubate for three hours at room temperature
- Add 1 ml of diluted wash solution to all the tubes
- Vortex and place the tubes on a magnetic rack*
- Discard the supernatant by gently inverting the magnetic rack (washing step)
- Repeat the washing step once again
- Count the tubes for 1 min in a NaI (TI) scintillation counter calibrated for^{125I}
- Calculate the results

* Refer to kit protocol for detailed assay procedure

** Magnetic rack available on request (conditions apply)

TYPICAL STANDARD CURVE DATA

| | CPM | Average CPM | % B/T |
|-----------|----------------|-------------|-------|
| Total | 132465, 132665 | 132565 | |
| 0 ng/ml | 339, 361 | 350 | 0.26 |
| 2.5 ng/ml | 2517, 2563 | 2540 | 1.9 |
| 5 ng/ml | 4903, 4973 | 4938 | 3.7 |
| 10 ng/ml | 8091, 8069 | 8080 | 6.1 |
| 20 ng/ml | 13371, 13521 | 13446 | 10.1 |
| 50 ng/ml | 20477, 20653 | 20565 | 15.5 |
| 100 ng/ml | 32352, 32152 | 32252 | 24.3 |



For placing the orders and further details please contact
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