
Lab Dept: Chemistry

Test Name: INHIBIN A & B TUMOR MARKER

General Information

Lab Order Codes: INHB

Synonyms: N/A

CPT Codes: 83520 – Immunoassay analyte, quantitative by RIA (Inhibin B)
86336 – Inhibin A

Test Includes: Inhibin A and B tumor marker level reported in pg/mL.

Logistics

Test Indications: As an aid in the diagnosis of granulose cell tumors and mucinous epithelial ovarian tumors. Monitoring of patients with granulose cell tumors and epithelial mucinous-type tumors of the ovary known to overexpress inhibin B.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories (Test: INHAB)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 - 8 days: Inhibin A performed Monday-Saturday, Inhibin B performed once weekly on Tuesdays.

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Marble, gold or red top tube)

Draw Volume: 3 mL (1.8 mL) blood

Processed Volume: 1 mL (0.6 mL) serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperature. Label specimen appropriately. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range:

INHIBIN A (pg/mL)	
Females	
<11 years:	<4.7 pg/mL
11 – 17 years:	<97.5 pg/mL
Premenopausal:	<97.5 pg/mL
Postmenopausal:	<2.1 pg/mL
Males	
All ages:	<2.0 pg/mL
INHIBIN B (pg/mL)	
Females	
0 – 23 months:	<111 pg/mL
2 – 4 years:	<44 pg/mL
5 – 7 years:	<27 pg/mL
8 – 10 years:	<67 pg/mL
11 – 13 years:	<120 pg/mL
14 – 17 years:	<136 pg/mL
Premenopausal	

Follicular:	<139 pg/mL
Luteal:	<92 pg/mL
Postmenopausal	<10 pg/mL
Males	
0 – 23 months	<430 pg/mL
2 - 4 years	<269 pg/mL
5 – 7 years	<184 pg/mL
8 - 10 years	<214 pg/mL
11 - 13 years	<276 pg/mL
14 - 17 years	<273 pg/mL
Adults	<399 pg/mL

Critical Values: N/A

Limitations: Inhibin values fluctuate during the menstrual cycle. Inhibin levels in premenopausal women should be interpreted with caution.

Do not interpret serum inhibin levels as absolute evidence of the presence or the absence of malignant disease. Use results in conjunction with information from the clinical evaluation of the patient and other diagnostic procedures.

Tumor markers are not specific for malignancy and values may vary by testing methodology. The same method should be used to serially monitor patients.

Some patients who have been exposed to animal antigens, either in the environment or as part of treatment or imaging procedures, may have circulating anti-animal antibodies present. These antibodies may interfere with the assay reagents to produce unreliable results.

Methodology: Inhibin A: Sequential 2-Step Immunoenzymatic Assay
Inhibin B: ELISA

References: [Mayo Medical Laboratories Web Page](#) (August 2016)

Updates:

4/30/2010: Reference range update.

8/10/2010: Testing no longer forward to Women and Infants AFP Laboratory, Providence, Rhode Island. Mayo now does the testing internally. Note new reference ranges.

8/3/2016: Tube update