

---

**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:** 4.5 mL (3.0 mL) blood

**Processed Volume:** 1.5 mL (1.0 mL) serum

<b>Collection:</b>	Routine blood collection
<b>Special Processing:</b>	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.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

---

***Interpretive***

**Reference Range:**

<b>INHIBIN A (pg/mL)</b>	
<b>Females</b>	
<11 years:	<4.7 pg/mL
11 – 17 years:	<97.5 pg/mL
Premenopausal:	<97.5 pg/mL
Postmenopausal:	<2.1 pg/mL
<b>Males</b>	
All ages:	<2.0 pg/mL
<b>INHIBIN B (pg/mL)</b>	
<b>Females</b>	
≤12 years:	<183 pg/mL
13 – 41 years regular cycle (Follicular Phase)::	<224 pg/mL
42 - 51 years regular cycle (Follicular Phase):	<108 pg/mL
13 – 51 years regular cycle (Luteal Phase) :	<80 pg/mL
>51 years:	<12 pg/mL

Males	
<15 days:	<430 pg/mL
15 – 180 days:	42 - 516 pg/mL
6 months – 7 years:	24 - 300 pg/mL
8 - 30 years	47 - 383 pg/mL
31 – 72 years	<358 pg/mL
>72 years	Not established

**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 Clinic Laboratories Web Page](#) (September 2021)

**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  
9/30/2021: Update ref range and specimen requirements