
Lab Dept: Serology

Test Name: INSULIN ANTIBODY

General Information

Lab Order Codes: INSAB

Synonyms: Insulin Antibodies, Serum; Anti-Insulin; Human Insulin; INAB; Insulin Ab

CPT Codes: 86337 – Insulin antibodies

Test Includes: Antibodies to human insulin reported in nmol/L.

Logistics

Test Indications: N/A

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Clinic Laboratories (Mayo Test: INAB)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 – 9 days; performed Sunday and Wednesday

Special Instructions: See [Patient Preparation](#)

Specimen

Specimen Type: Blood

Container: SST (Gold or Marble top tube)

Draw Volume: 4.5 mL (Minimum: 3 mL) blood

Processed Volume: 1.5 mL (Minimum: 1 mL) serum

Collection: Routine blood collection

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

Patient Preparation:	This test should not be requested in patients who have recently received isotopes, therapeutically or diagnostically, because of potential interference. The specific waiting period before specimen collection will depend on the isotope administered, the dose given and the clearance rate in the individual patient. Specimens will be scanned for radioactivity prior to analysis. Radioactive specimens received in the laboratory will be held for 1 week and assayed if sufficiently decayed, or canceled if radioactivity remains.
Sample Rejection:	Mislabeled or unlabeled specimens; gross hemolysis; gross lipemia; gross icterus

Interpretive

Reference Range:	All ages: < or =0.02 nmol/L
Critical Values:	N/A
Limitations:	See Patient Preparation
Methodology:	Radioimmunoassay (RIA)
References:	Mayo Clinic Laboratories September 2021
Updates:	11/18/2003: This testing moved from Mayo Medical Laboratories to Esoterix, Inc. Units have changed from % binding of labeled human insulin to $\mu\text{U}/\text{mL}$ Insulin Binding Capacity. 3/30/2016: SST tubes are acceptable. 1/25/2021: Specimen volume update. 9/13/2021: Testing moved from ESL to Mayo.