
Lab Dept: Serology

Test Name: ZnT8 Antibodies

General Information

Lab Order Codes: FZNT8

Synonyms: ZnT8

CPT Codes: 86341 - Islet cell antibody

Test Includes: Zinc Transporter 8 Antibody reported in U/mL.

Logistics

Test Indications: Used in the clinical distinction of type 1 from type 2 diabetes mellitus. Identification of individuals at risk of type 1 diabetes (including high-risk relatives of patients with diabetes, and those with gestational diabetes)

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Clinic Laboratories forward to Esoterix Endocrinology (MML: FZNT8)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 8 - 17 days, performed once a week

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST tube (Gold, marble or red)

Draw Volume: 1.5 mL (Minimum: 0.5 mL) blood

Processed Volume: 0.6 mL (Minimum: 0.2 mL **Note:** This volume does not allow for repeat testing.) serum

Collection: Routine blood collection

Special Processing: Lab Staff: Within 45 minutes of collection, centrifuge specimen and remove aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabelled or unlabeled specimens

Interpretive

Reference Range: All ages:

Less than 15: Negative
Greater than or equal to 15: Positive

Critical Values: N/A

Limitations: Negative test results do not rule out the diagnosis of or future risk for type1 diabetes mellitus.

The risk of developing type I diabetes may be stratified further by testing:
1. Antibodies targeting insulin, IA2 and GAD65
2. HLA genetic markers

Careful monitoring of hyperglycemia is the mainstay of determining the requirement for insulin therapy.

Methodology: Enzyme-Linked Immunosorbent Assay (ELISA)

References: [Mayo Clinical Laboratories](#) (July 2026)

Updates: 07/16/2026: Initial entry