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**Lab Dept:** Serology

**Test Name:** ZINC TRANSPORTER 8 ANTIBODY

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***General Information***

**Lab Order Codes:** ZNT8

**Synonyms:** ZnT8

**CPT Codes:** 86341 - Islet cell antibody

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

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***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 Medical Laboratories (MML: EZNT8)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 - 7 days, performed Tues and Thurs

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** SST tube (Gold, marble or red)

**Draw Volume:** 6 mL (Minimum: 1.5 mL) blood

**Processed Volume:** 2 mL (Minimum: 0.5 mL) serum

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: 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:** Mislabeled or unlabeled specimens

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***Interpretive***

**Reference Range:** All ages: <15.0 U/mL

**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 Medical Laboratories (September 2017)

**Updates:** 09/20/2017: Previously referred to ARUP.