Lab Dept: Serology

Test Name: ZINC TRANSPORTER 8 ANTIBODY

General Information
Lab Order Codes: ZNT8
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 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

Specimen
Specimen Type: Blood
Container: SST tube (Gold, marble or red)
Draw Volume: 6 mL (Minimum: 3 mL) blood
Processed Volume: 2 mL (Minimum: 1 mL) serum
Collection: Routine blood collection
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

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 type 1 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 (January 2020)

Updates:
9/20/2017: Previously referred to ARUP
1/16/2020: Updated minimum volume