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**Lab Dept:** Serology

**Test Name:** ICA 512 ANTIBODY

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***General Information***

**Lab Order Codes:** ICAAB

**Synonyms:** ICA 512 Autoantibody; Islet Cell Cytoplasmic Autoantibodies

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

**Test Includes:** ICA 512 antibody reported in U/mL.

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***Logistics***

**Test Indications:** May be helpful in distinguishing between autoimmune type 1 diabetes and diabetes due to other causes.

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Esoterix Laboratories (Test#: 500255)

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 - 8 days; set up once a week on Wednesdays

**Special Instructions:** Specimen must be processed in the laboratory within 1 hour of collection.

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***Specimen***

**Specimen Type:** Blood

**Container:** Red top tube

**Draw Volume:** 1.5 mL (Minimum: 0.3 mL) blood

**Processed Volume:** 0.5 mL (Minimum: 0.1 mL) serum

Note: Pediatric minimum is 0.1 mL, but does not allow for repeat analysis

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Within 1 hour of collection, centrifuge specimen and remove aliquot into a round bottom screw-capped plastic vial. Store and ship at frozen temperatures. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

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### ***Interpretive***

**Reference Range:** All ages:  
<1.0 U/mL = Negative  
≥1.0 U/mL = Positive

**Critical Values:** N/A

**Limitations:** Some patients who have type 1 diabetes will never develop detectable amounts of islet cell autoantibodies, although this is rare.

**Methodology:** Immunoprecipitin Assay

**References:** [Esoterix Laboratories](#) June 2013