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**Lab Dept:** Serology

**Test Name:** GLUTAMIC ACID DECARBOXYLASE ANTIBODY

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***General Information***

**Lab Order Codes:** GAD

**Synonyms:** GAD65 Islet Cell Antibody; Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Serum; 64K Antibody; Anti-GAD Antibodies; Anti-Glutamic Acid Decarboxylase Ab; Beta Cell Antibody; GAD65 Antibody; Glutamic Decarboxylase Antibodies; Islet Cell Antibody; Stiffman Syndrome

**CPT Codes:** 83519 – Immunoassay for analyte other than infectious agent antibody or infectious agent antigen, quantitative by radioimmunoassay

**Test Includes:** GAD65 level reported in U/mL.

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***Logistics***

**Test Indications:** Islet cell antibodies are associated with autoimmune endocrine disorders including insulin dependant diabetes mellitus.

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Esoterix, Inc. (ESL Test: 500236)

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 – 8 days, performed Monday and Wednesday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

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

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

<b>Processed Volume:</b>	0.5 mL (Minimum: 0.1 mL) serum  Note: Minimum volume does not allow for repeat analysis.
<b>Collection:</b>	Routine blood collection
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial within 1 hour of collection. Store and ship at frozen temperatures. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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### ***Interpretive***

**Reference Range:** <0.5 U/mL = Negative  
>= 0.5 U/mL = Positive

**Note:** This test was developed and its performance characteristics determined by Esoterix Endocrinology. It has not been cleared or approved by the US Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes.

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Immunoprecipitation Assay

**References:** [Esoterix, Inc.](#) February 2018

**Updates:** 3/28/2011: CPT update, previously reported as 86341  
2/1/2018: Collection container update.