

Division of Laboratory Medicine

Immunology

Islet Cell Antibodies

General information

Predictive of future insulin requirement in patients presenting with NIDDM (Non-insulin dependent diabetes mellitus) and in relatives of IDDM (Insulin dependent diabetes mellitus) patients.

Specimen transport: At room temperature

Repeat frequency: At significant change of clinical symptoms

Special precautions: None

Laboratory information

Normal reference range: Neg

Volume and sample type: 7ml clotted blood

Method: Immunofluorescence

Turnaround time (calendar days from sample receipt to authorised result): Median – 6

Participation in EQA Scheme: UK NEQAS for Diabetic Markers

Clinical information

Indications for the test: Screening of first degree relatives for risk of developing insulin dependent diabetes mellitus. May also be used to determine the risk of IDDM in gestational diabetes

Factors affecting the test: Detectable within first year after diagnosis in IDDM patients. Antibody levels decline as islet cells are destroyed by the autoimmune disease process

ICE reference: Islet Cell Antibodies

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