



Islet Cell Antibodies

Synonyms	ICA, pancreatic islet antibodies
Clinical Indication	<p>This test is no longer done routinely, the diabetes antibody panel of three separate tests (GAD, IA2, ZNT8 antibodies) are done instead.</p> <p>Predicting type I diabetes in relatives of patients with diagnosed type I diabetes.</p> <p>Not to be used routinely for confirmation of type I diabetes but they may be useful if type 1 diabetes is suspected but the clinical presentation includes some atypical features (for example, age 50 years or above, BMI of 25 kg/m² or above, slow evolution of hyperglycaemia or long prodrome).</p> <p>Requests for islet cell antibodies will only be referred following discussion between the requester and clinical scientist in Immunology or Biochemistry.</p>
Part of Profile / See Also	Diabetes antibody panel
Request Form	Combined Pathology manual Blood form or ICE request
Availability / Frequency of Analysis	Referred test: Analysed by Sheffield Protein Reference Unit (8494)
Turnaround Time	3 weeks
Patient Preparation	None required
Sample Requirements	*Please note a separate sample is required when Immunology tests are requested in addition to Biochemistry tests*
Specimen Type	Serum
Volume	1 ml
Container	 Yellow top (SST) tube  Or Paediatric Yellow top (SST) tube
Reference Range & Units	Normal result: negative
Interferences	
Interpretation & Clinical Decision Value (if applicable)	<p>Results are reported as being either:</p> <p>WEAK POSITIVE, POSITIVE, STRONG POSITIVE or NEGATIVE.</p> <p>ICA are present in about 75% of T1 DM at diagnosis, but are transient and disappear soon after diagnosis (within 6 months often) once the islets have been destroyed.</p> <p>ICA in the asymptomatic high risk population indicates an increased likelihood of Type 1 DM developing.</p>

References

<https://www.immqas.org.uk/TestItem.asp?id=508>

Test code

ISLE

Lab Handling

Aliquot and store at 4°C prior to testing and at -20°C or below for up to one month after receipt.



8494
Accredited to
ISO 15189:2012