



**A Compilation of
Conventional Tests**

GAD-65(GLUTAMIC ACID DECARBOXYLASE- 65), IgG

The enzyme is the major auto-antigen in Type I Diabetes. As a target antigen, GAD65 may directly, or indirectly, produce the T cell response cascade that results in insulin-dependent (Type 1) Diabetes Mellitus. In addition to patients with autoimmunity against islet cell antigen (Type I Diabetes), patients with neurological disorders (low GABA) may also produce high levels of antibodies against GAD.

Clinical Utility

- GAD- 65 antibody is useful to diagnose Insulin dependent Diabetes mellitus (IDDM),
- To assess risk for development of IDDM;
- To predict onset of IDDM and risk development of related endocrine disorders like thyroiditis.

Sample

2 ml (1mL min) Serum
from 1 SST.
Ship refrigerated or frozen

Method

Enzyme Immunoassay

HbA1c(GLYCOSYLATED HEMOGLOBIN)

It develops when haemoglobin, a protein within red blood cells that carries oxygen throughout your body, joins with glucose in the blood, becoming 'glycated'

Red blood cells in the human body survive for 8 - 12 weeks before renewal, measuring glycated hemoglobin (or HbA1c) can be used to reflect average blood glucose levels over that duration, providing a useful longer-term gauge of blood glucose control.

Clinical Utility

- Diagnosis of diabetes and evaluating long term control of blood glucose concentrations

Sample

3 ml (2 mL min) whole Blood in 1 Lavender
Top (EDTA) Tube. Ship refrigerated. Do not freeze

Method

HPLC



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