Insulin Resistance Test

Order Name: **INSULIN R**
Test Number: 2006775
Revision Date: 05/09/2025

TEST NAME	METHODOLOGY	LOINC CODE
Insulin Total, Fasting	Chemiluminescence Assay	27873-9
Glucose Total, Fasting	Hexokinase	1558-6
Insulin 2 Hour Total	Chemiluminescence Assay	27826-7
Glucose 2 Hour Total	Hexokinase	20436-2

SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	**2 mL (0.5) each**	**Serum and Plasma**	**Both Sodium Floride (Gray) and Clot Activator SST**	**See Instructions**

Instructions

Overnight fasting is required.
Collect Both Sodium Floride (Gray) and **Clot Activator SST** tubes for **each draw time**
1) Draw a fasting glucose and insulin.
2) Administer 75 gms of glucola, consume within 5min.
3) Draw a 2 hour glucose and insulin (post glucola). Note time drawn on tubes.
Note: **The Clot Activator SST tubes for the Insulin testing and should be allowed to clot then centrifuge aliquot 2mL(0.5mL) Serum into plastic aliquot tube and freeze ASAP.**
The Insulin Stability: Ambient 8 hours, Refrigerated 2 days, Frozen 7 days.
The Stability for the Glucose: Ambient 8 hours; Refrigerated 7 days, Frozen 3 months (Fluoride preserved plasma samples are stable at room temperature for 24 hours.)
Insulin assay not recommended for patients with insulin autoantibody. Use Free Insulin assay if autoantibody positive.

GENERAL INFORMATION

Testing Schedule	Mon - Fri
Expected TAT	2-3 days
CPT Code(s)	82947, 82952, 83525x2
Lab Section	Chemistry