

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	<p>Overnight fasting is required.</p> <p>Collect Both Sodium Floride (Gray) and Clot Activator SST tubes for each draw time</p> <p>1) Draw a fasting glucose and insulin.</p> <p>2) Administer 75 gms of glucola, consume within 5min.</p> <p>3) Draw a 2 hour glucose and insulin (post glucola). Note time drawn on tubes.</p> <p>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.</p> <p>The Insulin Stability: Ambient 8 hours, Refrigerated 2 days, Frozen 7 days.</p> <p>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.)</p> <p>Insulin assay not recommended for patients with insulin autoantibody. Use Free Insulin assay if autoantibody positive.</p>			

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