

Patient Name : Ms Dummy  
DOB/Age/Gender : 26 Y/Female  
Patient ID / UHID : XXX  
Referred By : Dr.  
Sample Type : INSULIN F  
Barcode No : XXX

Bill Date : Feb 12, 2024, 11:51 PM  
Sample Collected : Feb 13, 2024, 10:14 AM  
Sample Received : Feb 13, 2024, 03:37 PM  
Report Date : Feb 13, 2024, 05:32 PM  
Report Status : Final Report

Test Description	Value(s)	Unit(s)	Reference Range
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## BIOCHEMISTRY REPORT

Insulin Fasting

Insulin (Fasting) Method : ECLIA	8.79	μU/mL	<25
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**Interpretation:****Note**

1. A single random blood sample for insulin may provide insufficient information due to wide variation in the time responses of insulin levels and blood glucose.
2. Stimulation of insulin secretion may be caused by many factors like hyperglycemia, glucagon, amino acids, growth hormone and catecholamines.
3. Interference in insulin assay is seen due to insulin antibodies which develop in patients treated with bovine or porcine insulin.

**Clinical Utility**

- Evaluation of fasting hypoglycemia
- Evaluation of Polycystic Ovary syndrome
- Classification of Diabetes mellitus
- Predict Diabetes mellitus
- Assessment of Beta cell activity
- Select optimal therapy for Diabetes
- Investigation of insulin resistance
- Predict the development of Coronary Artery Disease

**Increased levels** - Insulinoma, Some Type II diabetic patients, Infantile hypoglycemia, Hyperinsulinism, Obesity, Cushing's syndrome, Oral contraceptives, Acromegaly, Hyperthyroidism

**Decreased levels** - Untreated Type I Diabetes mellitus

Disclaimer: This is a sample report. The method and reference range in the actual report might vary as per lab accreditation or certification and equipments where sample is processed.

*Sohini Sengupta*

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Processing Lab :- Redcliffe Lifetech Pvt. Ltd., H-55, Sector-63, Noida, Uttar Pradesh - 201301

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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.