# Labsmart Software
# Sample Letterhead

Regd. No.: XXXX54826XX

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✉ yourlabname@gmail.com

🌐 https://www.yourlabname.in/

**Mr. Dummy**

Age / Sex : 28 YRS / M

Referred by : Dr. Sachin Patil (MBBS)

Reg. no. : 1095

1095

Registered on : 19/11/2024 05:25 PM

Collected on : 19/11/2024

Received on : 19/11/2024

Reported on : 19/11/2024 05:32 PM

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## SEROLOGY & IMMUNOLOGY

| TEST | VALUE | UNIT | REFERENCE |
|------|-------|------|-----------|
| INSULIN RANDOM | 22 | µU/mL | |

Note
1. A single random blood sample for insulin may not be sufficient because insulin levels and blood glucose can vary widely over time.
2. Insulin secretion can be stimulated by various factors, including high blood glucose, glucagon, amino acids, growth hormone, and catecholamines.
3. Insulin assay results can be affected by insulin antibodies that develop in patients receiving bovine or porcine insulin treatments.

**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

**Interpretation**
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

~~~ End of report ~~~

**Mr. Sachin Sharma**
DMLT, Lab Incharge

Page 1 of 1

**Dr. A. K. Asthana**
MBBS, MD Pathologist

NOT VALID FOR MEDICO LEGAL PURPOSE

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.