

Sample Collected At:
Mediline Lab- Warje Malwadi
Near Federal Bank,
Warje Malwadi,
Pune 58 Zone CA

121099025

Collection Date:

10-06-2021 03:54 PM

Sample Date:

10-06-2021 03:54 pm

Report Date:

10-06-2021 05:46 PM

F-----

Age: 40.00 Years Sex: FEMALE

Test Description**Observed value****Biological Reference Interval****HOMA Index Insulin Resistance Test**Plasma glucose fasting, by Hexokinase method **91**

< 100 mg/dL
100 to 125 mg/dL : Impaired fasting
glucose tolerance / Prediabetes
>= 126 mg/dL : Suggestive of
diabetes mellitus
(On more than one occasion)
American Diabetes Association
Guidelines 2020

Insulin Fasting, Serum by CMIA

5.20

Fasting : 2.5 to 25 µU/mL
Peak upto 150 µU/mL

HOMA IR Index

1.17

> 2.5 indicates insulin resistance

Interpretation

1. As, the direct measurement of the insulin effect on the blood sugar concentration is not possible other indices are used for determining an insulin resistance.
2. One of the most common indices is the HOMA index (Homeostasis Model Assessment), which is calculated according to the following formula:

HOMA index = fasting insulin (µU/ml) X fasting blood sugar (mg/dl) / 405

3. Indications :

- * Adiposis (BMI > 28 kg/m²)
- * Suspected insulin resistance (metabolic syndrome, diabetes mellitus type 2)
- * Suspected polycystic ovary syndrome (PCO-S)
- * Cycle disturbances (e. g. amenorrhea)
- * Infertility

4. Reference ranges :

- > 2.0 indication for insulin resistance
- > 2.5 insulin resistance probable
- > 5.0 average value in patients with diabetes mellitus type 2

Reference : <https://www.bioscientia.de/en/files/2011/10/Marker>

End of Report



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"Accreditation as per ISO 15189:2012, Cert.No. MC-3143. Refer scope@ www.nabl-india.org"

Venkatesh

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A.G Diagnostics Pvt. Ltd.

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DIAGNOSTICS
BE SURE
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