

| <b>HOMA IR; INSULIN RESISTANCE INDEX, C- PEPTIDE MODEL ( Hexokinase, CLIA)</b> |       |              |
|--|-------|--------------|
| Glucose Plasma, Fasting  | mg/dL | 70.00-100.00 |
| C-peptide, Serum, Fasting  | ng/mL | 0.81-3.85    |
| Beta Cell Function (%B)  | %     |              |
| Insulin Sensitivity (%S)   | %     |              |
| HOMA IR Index  |       | <2.50        |

### **Comment**

Homeostatic model assessment (HOMA) is a method for assessing beta cell function (%B) and insulin sensitivity (%S) from fasting glucose and C-peptide concentrations. HOMA can be used to track changes in insulin sensitivity and beta cell function to examine natural history of diabetes. Insulin sensitivity is reduced in normal subjects having first degree relative with type 2 diabetes compared with control subjects. Changes in beta cell sensitivity in subjects on insulin secretagogues may be useful in determining beta cell function over a period.

### **Usage**

To assess response to treatment in diabetics taking exogenous insulin.