

Client
Gurugram
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name : Mr. CL29	Billing Date : 07/07/2023 12:18:49
Age : 35 Yrs	Sample Collected on : 10/07/2023 10:01:31
Sex : Male	Sample Received on : 10/07/2023 11:02:13
P. ID No. : P1000100012645	Report Released on : 14/07/2023 18:55:14
Accession No : 10002304701	Barcode No. : 10002304701-01
Referring Doctor : Self	Ref no. :
Referred By :	

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
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BIOCHEMISTRY

C-Peptide Fasting <i>Sample: Serum</i> <i>Method: ECLIA</i>	2.50	1.10 - 4.40	ng/mL
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C-Peptide Fasting

COMMENTS / INTERPRETATION :

C-Peptide originates in the pancreatic beta-cells as an inert by-product in the synthesis of insulin from pro-insulin and is equimolar to the insulin produced, hence can serve as an index of endogenous insulin secretion.

Clinical uses-

- * To differentiate type-1 and type 2 diabetes in newly diagnosed cases.
- * To differentiate insulin resistance from low insulin production in type 2 diabetes melitus
- * To monitor beta cell activity over time and to decide about starting insulin therapy
- * As an alternative to endogenous insulin testing in cases where prolonged use of exogenous insulin leads to production of anti-insulin antibodies
- * Along with blood sugar and insulin levels, helps in diagnosing cause of acute/ recurrent hypoglycemia and monitors its treatment
- * In diagnosis of insulinomas where high/ uncontrolled levels of insulin or C-Peptide are seen.
- * In evaluation of metabolic syndrome
- * In diagnosis of gastrinomas associated with MEN I
- * In polycystic ovarian syndrome to determine the degree of insulin resistance

High levels are seen in

- * High endogenous insulin production - As a response to high levels of glucose and In insulin resistance.
 - * Insulinoma
 - * Hypokalemia
 - * Pregnancy
 - * Cushing syndrome

10002304701 Mr. CL29



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* Renal failure Low levels are seen in: * Insulinoma on treatment			
* Low levels of endogenous insulin production seen in case of under production of insulin or its suppression by exogenous insulin			

** End of Report**



Dr. Aarti Khanna Nagpal
DNB (Pathology)
Senior Consultant

