

C-peptide

General:

Insulin is produced in the B-cells of the pancreas as pro-insulin (preinsulin). Pro-insulin consists of 2 chains, the A- and B-chain. C-peptide links both chains in pro-insulin. Prior to insulin secretion, C-peptide is released in equimolar quantities. Unlike insulin and pro-insulin, C-peptide is not metabolized in the liver and thus better reflects the insulin secretion or endogenous insulin reserve of the pancreas.

Suspicion of insulinoma, insulin-induced hypoglycemia factitia, control of endogenous insulin reserve.

Material: 1 ml serum (fasting), **Frozen**

Preanalytics: freeze for shipment, otherwise false low values possible

TAT: 2-3 days, FML

Method: ECLIA

Units: ng/ml

Ref.- range: see report

Note: If the patient is taking multivitamins or dietary supplements containing high dose of Biotin (> 5 mg), the patient should stop taking it for at least 24 hours , before having the blood collection.

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>