Human C-Peptide/C-Peptide ELISA Kit

E45K00184

Catalog Number:E45K00184

Species Reactivity: Human

Storage: Store at +4°C. Please refer to protocols.

Cite ID#:EN5520635

Type: Human ELISA Kits

Research Field: Metabolism

Description: Human C-Peptide/C-Peptide ELISA Kit is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit designed for the quantitative measurement of C-Peptide in biological samples. Our rigorously validated, ready-to-go Human C-Peptide/C-Peptide ELISA Kit use a simple protocol that easily integrates into your current processes, allowing you to rapidly and accurately detect C-Peptide in your samples. Appropriate sample types may include Cell Culture Supernates, Serum, Platelet-poor EDTA Plasma, Platelet-poor Heparin Plasma, Urine. Precision Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested several times on one plate to assess intra-assay precision. Inter-Assay Precision (Precision between assays): Three samples of known concentration were tested in several separate assays to assess inter-assay precision. Assays were performed by at least two technicians using two lots of components.

Assay type: Competitive

Detection principle: Spectrophotometrical

Sample type: This immunoassay kit allows for the in vitro quantitative determination in Serum, plasma, tissue homogenates, cell culture supernates and other biological fluids.

Sensitivity:0.12 ng/mL

Assay range:0.312-20 ng/mL

Kit components: Assay Plate, Standard, Sample Diluent, Assay Diluent A&B, Detection Reagent A&B, Wash Buffer, Substrate, Stop Solution.

Other reagents required: Deionized or distilled water

Gene Name:C-Peptide

Function:C-peptide is a protein that is produced in the body along with insulin. First preproinsulin is secreted with an A-

chain, C-peptide, a B-chain, and a signal sequence. The signal sequence is cut off, leaving proinsulin. Then the C-peptide is cut off, leaving the A-chain and B-chain to form insulin.

Form:ELISA Kits