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Product Datasheet

Human C-Peptide (CP) ELISA Kit BYT-ORB782665

Article Name	Human C-Peptide (CP) ELISA Kit
Biozol Catalog Number	BYT-ORB782665
Supplier Catalog Number	orb782665
Alternative Catalog Number	BYT-ORB782665-48, BYT-ORB782665-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Human
Product Description	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with C-Peptide(CP) protein. Standards or samples are added to the appropriate microtiter plate wells then with a...
Concentration	40 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.048 ng/mL
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Application Notes: standard: 10 ng/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human CP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human CP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Human CP in the samples is then determined by comparing the OD of the samples to the standard curve