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## Product Datasheet

### Human L-Carnitine ELISA Kit BYT-ORB1291334

Article Name	Human L-Carnitine ELISA Kit
Biozol Catalog Number	BYT-ORB1291334
Supplier Catalog Number	orb1291334
Alternative Catalog Number	BYT-ORB1291334-48, BYT-ORB1291334-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Human
Product Description	Human L-Carnitine ELISA Kit...
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.119 ng/mL
Samples	serum, plasma, urine, tissue homogenates

Application Notes

Application Notes: standard: 20 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 L-Carnitine. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human L-Carnitine. 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 L-Carnitine, 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 L-Carnitine in the samples is then determined by comparing the OD of the samples to the standard curve