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Product Datasheet

Cattle Superoxide Dismutases (SOD) ELISA Kit BYT-ORB782459

Article Name	Cattle Superoxide Dismutases (SOD) ELISA Kit
Biozol Catalog Number	BYT-ORB782459
Supplier Catalog Number	orb782459
Alternative Catalog Number	BYT-ORB782459-48, BYT-ORB782459-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Bovine
Product Description	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 Superoxide Dismutases(SOD)....
Concentration	10 U/mL
Range	0.16-10 U/mL
Sensitivity	0.063 U/mL
UniProt	P00442
Samples	Serum, plasma, tissue homogenates and other biological fluids

Application Notes

Application Notes: standard: 10 U/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 Cattle SOD. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle SOD. 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 Cattle SOD, 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 Cattle SOD in the samples is then determined by comparing the OD of the samples to the standard curve