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Product Datasheet

Human 4-Hydroxynonenal (4-HNE) ELISA Kit BYT-ORB1994918

Article Name	Human 4-Hydroxynonenal (4-HNE) ELISA Kit
Biozol Catalog Number	BYT-ORB1994918
Supplier Catalog Number	orb1994918
Alternative Catalog Number	BYT-ORB1994918-48, BYT-ORB1994918-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
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 Human HNE. Standards or samples are added to the appropriate microtiter plate wells then...
Concentration	200 ng/mL
Range	3.13-200 ng/mL
Sensitivity	1.21 ng/mL
Samples	Serum, plasma, tissue homogenates

Application Notes

Application Notes: standard: 200 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 HNE. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human HNE. 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 HNE, 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 HNE in the samples is then determined by comparing the OD of the samples to the standard curve