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## Product Datasheet

### Rat Deoxypyridinoline (DPD) ELISA Kit BYT-ORB1807030

Article Name	Rat Deoxypyridinoline (DPD) ELISA Kit
Biozol Catalog Number	BYT-ORB1807030
Supplier Catalog Number	orb1807030
Alternative Catalog Number	BYT-ORB1807030-48,BYT-ORB1807030-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	Rat Deoxypyridinoline (DPD) ELISA Kit...
Range	3.13-200ng/mL
Sensitivity	1.88 ng/mL
UniProt	<a href="#">O89000</a>
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	DPD

Application Notes

Application Notes: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Rat DPD. During the reaction, Rat DPD in the sample or standard competes with a fixed amount of Rat DPD on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat DPD. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The concentration of Rat DPD in tested samples can be calculated by comparing the OD of the samples to the standard curve