

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Human ProstateSpecific Antigen (PSA) ELISA Kit BYT-ORB1291377

Article Name	Human ProstateSpecific Antigen (PSA) ELISA Kit
Biozol Catalog Number	BYT-ORB1291377
Supplier Catalog Number	orb1291377
Alternative Catalog Number	BYT-ORB1291377-48, BYT-ORB1291377-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Human
Product Description	Human PSA (ProstateSpecific Antigen) ELISA Kit...
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.098 ng/mL
UniProt	<a href="#">P07288</a>
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 PSA. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human PSA. 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 PSA, 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 PSA in the samples is then determined by comparing the OD of the samples to the standard curve