

Product Datasheet

Cattle Progesterone (PG) ELISA Kit (orb1736478)

Catalog Number	orb1736478
Description	<p>This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Cattle PG protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle PG. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Cattle PG in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Bovine
Range	1.57-100 ng/mL
Concentration	100 ng/mL
Note	For research use only
Application notes	<p>standard: 100 ng/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Cattle PG protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle PG. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Cattle PG in the samples is then determined by comparing the OD of the samples to the standard curve</p>
Sample Types	serum, plasma and other biological fluids
Assay Time	2.5h

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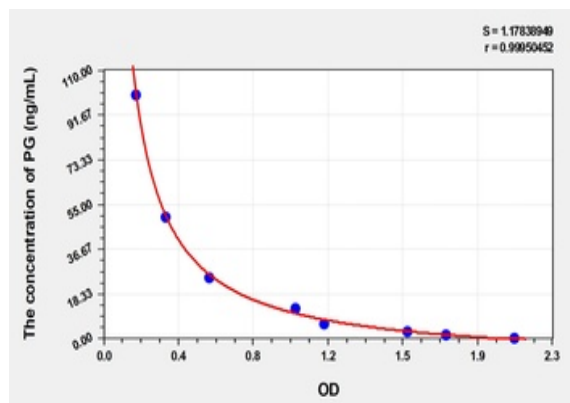
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Sensitivity 0.48 ng/mL

Expiration Date Please enquire.



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