

## **Product Datasheet**

## Cattle Thyroxine (T4) ELISA Kit (orb1146811)

Catalog Number orb1146811

**Category** Assays and Kits

**Description** This assay employs the competitive inhibition enzyme immunoassay technique.

The microtiter plate provided in this kit has been pre-coated with Thyroxine(T4) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Thyroxine(T4). 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 450nm  $\pm$  10nm.

The concentration of Thyroxine(T4) in the samples is then determined by

comparing the OD of the samples to the standard curve.

**Reactivity** Bovine

**Concentration** 300 ng/mL

**Application notes** standard: 300 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 T4 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle T4. 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  $450 \, \mathrm{nm} \pm 10 \, \mathrm{nm}$ . The concentration of Cattle T4 in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type Competitive

**Assay Time** 2.5h

**Range** 4.69-300 ng/mL



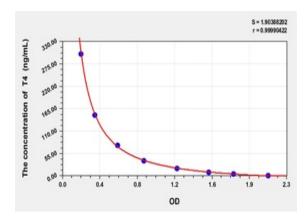


**Sensitivity** 1.37 ng/mL

**Sample Types** serum, plasma and other biological fluids

**Note** For research use only

**Expiration Date** Please enquire.



Email: <u>info@biorbyt.com</u>, <u>support@biorbyt.com</u>
Phone: <u>+1 (415) 906-5211</u> | Fax: <u>+1 (415) 651-8558</u>