

## Product Datasheet

# Horse 5-Hydroxytryptamine (5-HT) ELISA Kit (orb2308024)

**Catalog Number** orb2308024

**Description** This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Horse 5-HT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse 5-HT. 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 Horse 5-HT in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Equine

**Range** 14.07-900 ng/mL

**Concentration** 900 ng/mL

**Note** For research use only

**Application notes** standard: 900 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 Horse 5-HT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse 5-HT. 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 Horse 5-HT in the samples is then determined by comparing the OD of the samples to the standard curve

**Sample Types** serum, plasma, tissue homogenates

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<b>Assay Time</b>	2.5h
<b>Sensitivity</b>	5.85 ng/mL
<b>Expiration Date</b>	Please enquire.

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