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Rat DPD (Deoxypyridinoline) ELISA Kit

Cat #: G-EC-00174

Species: Rat

Sensitivity: 1.88ng/mL

Type: Competitive

Range: 3.13~200ng/mL

Detection: Colormetric

Duration: 2.5h

Principle:
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 samples 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 from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate 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 change is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The concentration of Rat DPD in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes Rat DPD in samples. No significant cross-reactivity or interference between Rat DPD and analogues was observed.

UniProt ID:

Gene: DPD

Synonyms: Pyrilinks-D, deoxyPYD

Specimen: Serum, plasma and other biological fluids

Application: This ELISA kit applies to the in vitro quantitative determination of Rat DPD concentrations in Serum, plasma and other biological flui

Research Areas: Metabolism

Storage:
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.