

Rat Melatonin (MT) Rapid ELISA kit

This Rapid ELISA kit applies Competitive Inhibition enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with Rat MT. During the reaction, Rat MT in the sample or standard competes with a fixed amount of Rat MT on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat MT. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate 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 turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of $450\text{ nm} \pm 2\text{ nm}$. The concentration of Rat MT in tested samples can be calculated by comparing the OD of the samples to the standard curve.

Catalog No.	3542184
Size	96-Well Tests
Product Category	Rapid ELISA
Reactivity	Rat
Sample	Serum; Brain Dialysate
Assay Method	Competitive Inhibition ELISA
Assay Duration	45 min
Sensitivity	9.38 pg/mL
Standard Curve Range	15.63-1000 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months