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## Product Datasheet

### Rat MT(Melatonin) ELISA Kit EBT-ELK0721

Article Name	Rat MT(Melatonin) ELISA Kit
Biozol Catalog Number	EBT-ELK0721
Supplier Catalog Number	ELK0721
Alternative Catalog Number	EBT-ELK0721-96, EBT-ELK0721-48, EBT-ELK0721-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	500 pg/mL
Range	7.82-500 pg/mL
Sensitivity	2.78 pg/mL
Samples	cell lysates and other biological fluids

Application Notes

Assay Type: Competitive Inhibition. Assay length: 2.5h. Research Area: Endocrinology,. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat MT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat MT. 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 10nm. The concentration of Rat MT in the samples is then determined by comparing the OD of the samples to the standard curve