

## Equine Melatonin (MT) ELISA Kit-Competitive

**Cat. No.:** EK2F179

**Product Type:** Animal Immunoassay Kits

**Size:** 96T

### Product Overview

BioVenic Equine Melatonin (MT) ELISA Kit-Competitive is designed for the quantitative determination of Equine Melatonin (MT) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Equine MT.
Target Species	Equine
Species Reactivity	Equine
Detection Range	15.63-1000 pg/mL
Sensitivity	4.94 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Melatonin is a hormone that plays a role in sleep and helps regulate circadian rhythms. Typically, melatonin production increases in the evening after sunset. Melatonin levels are higher at night and lower in bright daylight. Its levels naturally fluctuate throughout the day and night, helping regulate our body clock. It has been reported that red light at night permits the nocturnal rise of melatonin production in horses

Target/Biomarker	Equine MT
Target Synonym	N-Acetyl-5-Methoxytryptamine

### Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.