

Melatonin ELISA kit

Highly Sensitive – Plasma & Serum Samples

Ref: BA-E-3300

The Melatonin ELISA kit allows for the easy and accurate quantification of N-acetyl-5-methoxy-tryptamine (melatonin) in plasma and serum samples. With a detection limit of 1.6 pg/mL, the kit enables the measurement of melatonin in blood during both daytime (0 to 20 pg/mL) and nighttime (40 to 100 pg/mL).

Sample type	500µl plasma or serum
Samples/kit	40 samples in duplicate
Sensitivity	1,6pg/ml plasma
Range	0/3 - 300 pg/ml
Assay time	Sample extraction (15 min), incubation (overnight), ELISA (3h)
Reactivity	Reacts with all species
Material required	Evaporator centrifuge (Speed-Vac) or sample concentrator by use of nitrogen (e.g. Techne)

INFORMATIONS

Product overview

Product name	Melatonin ELISA kit – Highly Sensitive – Plasma & Serum Samples
Description	<i>In vitro</i> diagnostics & Research enzyme immunoassay (ELISA) for the sensitive determination of Melatonin levels in plasma and serum samples
Labels	IVD, CE, RUO
Format	96-well plate
Samples	500µl plasma or serum
Reactivity	Reacts with all species
Standard range	0 / 3 – 300 pg/ml
Sensitivity	1,6 pg/ml plasma
Specificity	No significant cross-reactivity was observed with Melatonin analogs such as 5-Methoxy-Tryptophole, N-Acetyl-Serotonin, 5-Methoxy-Tryptamine
Assay time	Sample extraction (15 min), incubation (overnight), ELISA (3h)
Storage	Store at 2-8°C for up to 6 months
Datasheets	Instructions for use , Material safety datasheet

PROTOCOLS

Sample collection & storage	EDTA or Heparin plasma or serum samples only. Do not use haemolytic, icteric or lipemic samples. Storage: up to 24 hours at 2 - 8°C; for longer periods (up to 3 months) at - 20°C
Sample preparation	Sample preparation, extraction and acylation (15min)
ELISA	Melatonin antiserum incubation (overnight), revelation and read steps (3h)
Detailed protocol	Download instructions for use

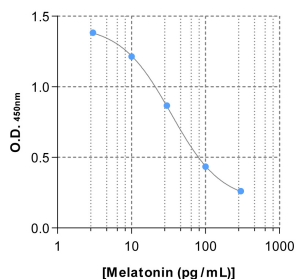
REFERENCES

No citation yet

Product pictures



Highly sensitive Melatonin ELISA kit



Typical standard curve of Melatonin ELISA

Example of standard curve obtained with the Melatonin ELISA Kit. In this competitive ELISA, optical density is inversely correlated with Melatonin levels.

Contact information

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To order, review, ask for technical support, visit product page at:

<https://www.immusmol.com/shop/melatonin-elisa-kit-highly-sensitive-serum-plasma-samples/>