

# 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).

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

# INFORMATIONS

## Product overview

<b>Product name</b>	Melatonin ELISA kit - Highly Sensitive - Plasma & Serum Samples
<b>Description</b>	<i>In vitro</i> diagnostics & Research enzyme immunoassay (ELISA) for the sensitive determination of Melatonin levels in plasma and serum samples
<b>Labels</b>	IVD, CE, RUO
<b>Format</b>	96-well plate
<b>Samples</b>	500µl plasma or serum
<b>Reactivity</b>	Reacts with all species
<b>Standard range</b>	0 / 3 - 300 pg/ml
<b>Sensitivity</b>	1,6 pg/ml plasma
<b>Specificity</b>	No significant cross-reactivity was observed with Melatonin analogs such as 5-Methoxy-Tryptophole, N-Acetyl-Serotonin, 5-Methoxy-Tryptamine
<b>Assay time</b> <a href="https://www.immusmol.com/wp-content/uploads/2024/08/IFU-BA-E-33">https://www.immusmol.com/wp-content/uploads/2024/08/IFU-BA-E-33</a>	Sample extraction (15 min), incubation (overnight), ELISA (3h)
<b>Storage</b>	Store at 2-8°C for up to 6 months
<b>Datasheets</b>	<a href="#">Instructions for use</a> , <a href="#">Material safety datasheet</a>

## PROTOCOLS

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**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

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**Sample preparation**

Sample preparation, extraction and acylation (15min)

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**ELISA**

Melatonin antiserum incubation (overnight), revelation and read steps (3h)

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**Detailed protocol**

[Download instructions for use](#)

## REFERENCES

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No citation yet

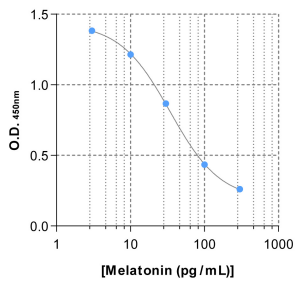
## Product pictures

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**Highly sensitive Melatonin ELISA kit**

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### 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.

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## 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/>