

# 3 Catecholamines ELISA kit

## Fast – Plasma & Urine samples

Ref: BA-E-6600

This Catecholamine ELISA kit is tailored for the rapid measurement of Adrenaline (Epinephrine), Noradrenaline (Norepinephrine) and Dopamine in urine and plasma samples. Intended for *in vitro* diagnostics, this fast-track quantitative immunoassay enables to determine catecholamine levels in up to 40 samples within 4 hours.

<b>Sample type</b>	10µl urine, 300µl plasma
<b>Samples/kit</b>	40 samples in duplicate
<b>Sensitivity</b>	Epinephrine: 0.3ng/ml urine, 10pg/ml plasma Norepinephrine: 1.5ng/ml urine, 40pg/ml plasma Dopamine: 4.5ng/ml urine, 25pg/ml plasma
<b>Range</b>	Epinephrine: 1 - 200ng/ml Norepinephrine: 5 - 1 000ng/ml Dopamine: 4.5 - 2 000ng/ml
<b>Assay time</b>	Sample extraction and acylation (65 min), ELISA (3h)
<b>Reactivity</b>	Reacts with all species
<b>Citations</b>	<a href="#">Cited in 8 papers</a>

## INFORMATIONS

### Product overview

<b>Product name</b>	3 catecholamines ELISA kit - Urine/Plasma - Fast-Track
<b>Description</b>	<i>In vitro</i> diagnostics (EU) & Research enzyme immunoassay (ELISA) for the rapid determination of Adrenaline, Noradrenaline and Dopamine levels in plasma and urine samples
<b>Labels</b>	IVD, CE, RUO
<b>Format</b>	3×96-well plate
<b>Samples</b>	Urine, Plasma
<b>Sample volume</b>	10µl urine, 300µl plasma
<b>Reactivity</b>	Reacts with all species
<b>Standard range</b>	Epinephrine: 0 / 1 - 200ng/ml Norepinephrine: 0 / 5 - 1 000ng/ml Dopamine: 0 / 4.5 - 2 000ng/ml
<b>Sensitivity</b>	Epinephrine: 0.3ng/ml urine, 10pg/ml plasma Norepinephrine: 1.5ng/ml urine, 40pg/ml plasma Dopamine: 4.5ng/ml urine, 25pg/ml plasma
<b>Specificity</b>	No significant cross-reactivity was observed with Dopamine, Epinephrine and Norepinephrine analogs such as Dopamine, Metanephrine, Normetanephrine, 3-Methoxytyramine, 3-Methoxy-4-hydroxyphenylglycol, Tyramine, Phenylalanine, Caffeinic acid, L-Dopa, Homovanillic acid, Tyrosine and 3-Methoxy-4-hydroxymandelic acid
<b>Assay time</b>	4 hours
<b>Storage</b>	Store at 2-8°C for 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

Plasma: EDTA-Plasma samples only. Do not use haemolytic or lipemic samples. Storage: up to 6 hours at 2 - 8°C; for longer periods (up to 6 months) at - 20°C

Urine: Spontaneous or 24-hours urine, collected in a bottle containing 10-15mL of 6M HCl. Storage: for longer periods (up to 6 months) at -20°C

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### Sample preparation

Sample preparation, extraction and acylation (65min)

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### ELISA

Dopamine, Epinephrine, Norepinephrine antisera incubation (2H), revelation and read steps (1h)

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### Detailed protocol

[Download instructions for use](#)

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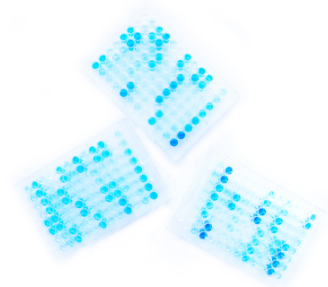
## REFERENCES

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### Product citations

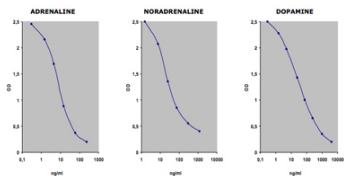
## Product pictures

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**Plasma/Urine catecholamines ELISA kit: Dopamine, Adrenaline, Noradrenaline**

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### Fast 3 catecholamines ELISA: Standard curves

Standard curves - to be generated every time the assay is performed.

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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/3-catecholamines-elisa-kit-plasma-urine-samples/>