

# Private: 3 Catecholamines ELISA kit – Research

## Plasma & Urine samples – Former

Ref: BA-E-6600R-F

This Catecholamine ELISA kit is tailored for the rapid measurement of Adrenaline (Epinephrine), Noradrenaline (Norepinephrine) and Dopamine in urine and plasma samples. Intended for research use only, 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="#">2</a>

# INFORMATIONS

## Product overview

<b>Product name</b>	3 catecholamines ELISA kit – Urine/Plasma – Fast-Track
<b>Description</b>	Competitive ELISA kit for the quantitative measurement of Adrenaline, Noradrenaline and Dopamine levels in plasma and urine samples. <b>For research use only</b>
<b>Labels</b>	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>

The kit for in-vitro-diagnostic (IVD) use can be ordered with the catalog no. [BA E-6600](#).

## 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

### Sample preparation

Sample preparation, extraction and acylation (65min)

### ELISA

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

### Detailed protocol

[Download instructions for use](#)

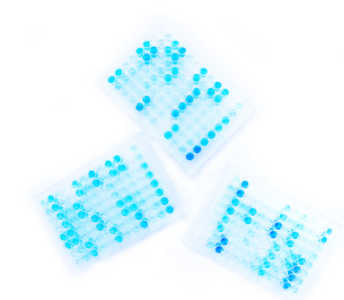
## REFERENCES

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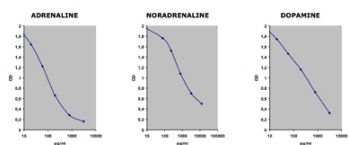
### Product citation

## Product pictures

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



### Plasma 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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