

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 and research use, this fast-track quantitative immunoassay enables to determine catecholamine levels in up to 40 samples within 4 hours.

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

INFORMATIONS

Product overview

Product name	3 catecholamines ELISA kit – Urine/Plasma – Fast-Track
Description	<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
Labels	IVD (EU Only) or RUO, CE
Format	3×96-well plate
Samples	Urine, Plasma
Sample volume	10µl urine, 300µl plasma
Reactivity	Reacts with all species
Standard range	Epinephrine: 0 / 1 – 200ng/ml Norepinephrine: 0 / 5 – 1 000ng/ml Dopamine: 0 / 4.5 – 2 000ng/ml
Sensitivity	Epinephrine: 0.3ng/ml urine, 10pg/ml plasma Norepinephrine: 1.5ng/ml urine, 40pg/ml plasma Dopamine: 4.5ng/ml urine, 25pg/ml plasma
Specificity	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
Assay time	4 hours
Storage	Store at 2-8°C for to 6 months
Datasheets	Instructions for use , Material safety datasheet

PROTOCOLS

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)

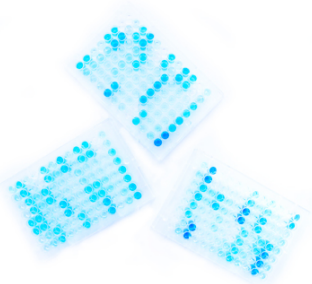
Detailed protocol

[Download instructions for use](#)

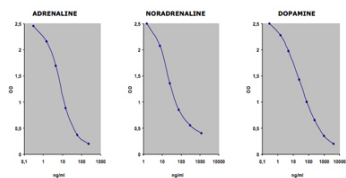
REFERENCES

Product citations

Product pictures



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



Fast 3 catecholamines ELISA: Standard curves

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

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/>