

Product Datasheet

Epinephrine/Norepinephrine ELISA Kit (Colorimetric) KA1877

Unit Size: 1 Kit

Store at 4C.

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KA1877**Epinephrine/Norepinephrine ELISA Kit (Colorimetric)**

Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at 4C.
Product Description	
Description	Quality control test: Standard curve. Epinephrine/Norepinephrine ELISA Kit is an enzyme immunoassay for the quantitative determination of Epinephrine and Norepinephrine in plasma and urine. This product contains two assay plates, for Epinephrine and Normetanephrine separately.
Kit Components	<p>Adhesive Foil: Ready to use. Adhesive foils in a resealable pouch., Wash Buffer Concentrate: 50x concentrated buffer with a non-ionic detergent and physiological pH., Enzyme Conjugate: Ready to use, goat anti-rabbit immunoglobulins, conjugated with peroxidase., Substrate: Ready to use, chromogenic substrate containing tetramethylbenzidine, substrate buffer and hydrogen peroxide., Stop Solution: Ready to use, 0.25 M sulfuric acid.</p> <p>Hazards identification:</p> <p>H290 May be corrosive to metals.</p> <p>H314 Causes severe skin burns and eye damage., Adrenaline Microtiter Strips: Ready to use, antigen precoated microwell plate in a resealable blue pouch with desiccant., Noradrenaline Microtiter Strips: Ready to use, antigen precoated microwell plate in a resealable yellow pouch with desiccant., Adrenaline Antiserum: Ready to use, rabbit anti-adrenaline antibody, blue coloured., Noradrenaline Antiserum: Ready to use, rabbit anti-noradrenaline antibody, yellow coloured., Adjustment Buffer: Ready to use, TRIS buffer., Acylation Buffer: Ready to use. Buffer with light alkaline pH for the acylation., Acylation Reagent: Ready to use. Acylation reagent in DMF and DMSO., Hazards identification: H225 Highly flammable liquid and vapour.</p> <p>H360 May damage fertility or the unborn child.</p> <p>H319 Causes serious eye irritation, Assay Buffer: Ready to use, 1 M hydrochloric acid and a non-mercury preservative., Coenzyme: Ready to use, S-adenosyl-L-methionine., Enzyme: Lyophilized Catechol-O-methyltransferase., Extraction Buffer: Ready to use, buffer containing carbonate., Extraction Plate: Ready to use, coated with boronate affinity gel in a resealable pouch., Hydrochloric Acid: Ready to use, 0.025 M hydrochloric acid, yellow coloured.</p>
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	Adrenaline: 0.7 to 200 ng/mL in Urine; 18 to 6667 pg/mL in Plasma, Noradrenaline: 2.5 to 1000 ng/mL in Urine; 93 to 33333 pg/mL in Plasma
Sensitivity	Adrenaline: 0.9 ng/mL Urine, 10 pg/mL Plasma Noradrenaline: 1.7 ng/mL Urine, 36 pg/mL Plasma
Inter Assay	Epinephrine: 15.6%, Norepinephrine: 11.75%
Intra Assay	Epinephrine: 12.57%, Norepinephrine: 12.95%
Assay Type	Quantification
Spiking Recovery	Epinephrine: 107% in Urine, 92% in Plasma Norepinephrine: 109% in Urine, 97% in Plasma
Suitable Sample Type	Plasma, Urine

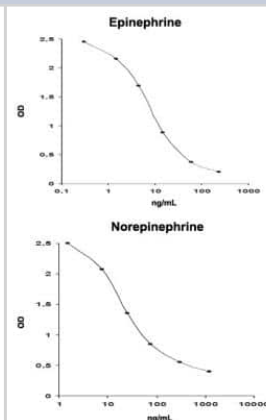
Sample Volume	Adrenaline ELISA : 100 uL (extracted) Noradrenaline ELISA : 20 uL (extracted)
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Product Application Details

Applications	ELISA, Quantification
Recommended Dilutions	ELISA, Quantification

Images

Epinephrine/Norepinephrine ELISA Kit [KA1877] - The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.



Publications

Guo Y, Xiaokereti J, Meng Q et al. Low-Level Vagus Nerve Stimulation Reverses Obstructive Sleep Apnea-Related Atrial Fibrillation by Ameliorating Sympathetic Hyperactivity and Atrial Myocyte Injury *Frontiers in Physiology* 2021-01-26 [PMID: 33574766] (ELISA)

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Jayalakshmi L, Yang G, Chunyan H et al. Nephron-Specific Disruption of Polycystin-1 Induces Cyclooxygenase-2-Mediated Blood Pressure Reduction Independent of Cystogenesis. *J Am Soc Nephrol*. 2020-04-16 [PMID: 32300065]

Maghawry H, Mostafa E, Ahmed A et al. Pioglitazone ameliorates high fat diet-induced hypertension and induces catechol o-methyl transferase expression in rats. *Eur J Pharmacol*. 2020-08-01 [PMID: 32750363]

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Zhang Y, Chi X, Wang Z et al. Protective effects of *Panax notoginseng* saponins on PME-Induced nephrotoxicity in mice. *Biomed Pharmacother*. 2019-05-16 [PMID: 31103823]

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Cheng-Hu H, Bing-Dong S, Jin L et al. Sympathetic Neurostress Drives Osteoblastic Exosomal MiR-21 Transfer to Disrupt Bone Homeostasis and Promote Osteopenia. *Small Methods*. 2021-12-16 [PMID: 35312228]

Francisco C, Daniela S, Sofia T et al. The Secretome of Parental and Bone Metastatic Breast Cancer Elicits Distinct Effects in Human Osteoclast Activity after Activation of α_2 Adrenergic Signaling. *Biomolecules*. 2023-03-30 [PMID: 37189370]

More publications at <http://www.novusbio.com/KA1877>





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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