

Product Datasheet

Dopamine ELISA Kit (Colorimetric) KA1887

Unit Size: 1 Kit

Store at 4C.

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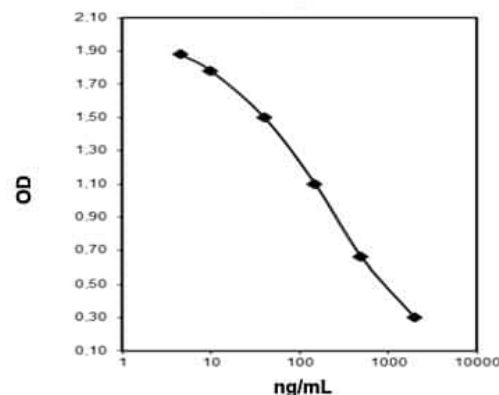


KA1887**Dopamine ELISA Kit (Colorimetric)**

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.
Buffer	
Product Description	
Description	Quality control test: Standard curve. Dopamine ELISA Kit is an enzyme immunoassay for the quantitative determination of Dopamine in plasma and urine.
Kit Components	<p>Adhesive Foil: Ready to use, 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, containing 0.25 M sulfuric acid., Dopamine Antiserum: Ready to use, rabbit anti-dopamine antibody, green 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.</p> <p>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, plates coated with boronate affinity gel in a resealable pouch., Hydrochloric Acid: Ready to use, 0.025 M hydrochloric acid, yellow coloured., Dopamine Microtiter Strips: Ready to use, antigen precoated microwell plate in a resealable green pouch with desiccant.</p>
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	Urine: 4.8 to 2000 ng/mL, Plasma: 75 to 33,333 pg/mL
Sensitivity	Urine: 2.5 ng/mL, Plasma: 49 pg/mL
Inter Assay	CV% < 17.05%
Intra Assay	CV% < 12.65%
Assay Type	Quantification
Spiking Recovery	Urine: 95%, Plasma: 90%
Suitable Sample Type	Plasma, Urine
Sample Volume	Extracted urine samples: 25 uL, Extracted plasma samples: 50 uL
Product Application Details	
Applications	ELISA, Quantification
Recommended Dilutions	ELISA, Quantification

Images

ELISA: Dopamine ELISA Kit [KA1887] - Standard Curve Note: 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

Soheila Siroosbakht, Sadra Rezakhaniha, Bijan Rezakhaniha Are androstenedione, dihydrotestosterone, thyroid-stimulating hormone, insulin-like growth factor I, and insulin-like growth factor binding protein 3 necessary for isolated micropenis healthy boys' evaluation without any phenotypic abnormalities? A cross-sectional study. *Andrologia* 2022-12-02 [PMID: 36257721]

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Raly C, Leandro S, Chrislean B et al. Two newly-emerging substituted phenethylamines MAL and BOD induce differential psychopharmacological effects in rodents. *J Psychopharmacol.* 2020-07-10 [PMID: 32648801]

Sunghyun K, Sumin S, In R et al. Nicotine rather than non-nicotine substances in 3R4F WCSC increases behavioral sensitization and drug-taking behavior in rats. *Nicotine Tob Res.* 2022-03-22 [PMID: 35323980]

Fang L, Sushan L, Wenjing Q et al. Developmental deficits and early signs of neurodegeneration revealed by PD patient derived dopamine neurons. *Stem Cell Res.* 2020-10-05 [PMID: 33059129]

Sun M, Shen X, Ma Y et al. Rehmannioside A attenuates cognitive deficits in rats with vascular dementia (VD) through suppressing oxidative stress, inflammation and apoptosis. *Biomed Pharmacother.* 2019-10-05 [PMID: 31593895]

Alabi A, Ajayi A, Ben-Azu B et al. Methyl jasmonate ameliorates rotenone-induced motor deficits in rats through its neuroprotective activity and increased expression of tyrosine hydroxylase immunopositive cells. *Metab Brain Dis.* 2019-08-28 [PMID: 31463866]

Stefano G, Germana C, Alessandro M et al. Natural killer cells and innate lymphoid cells 1 tune anxiety-like behavior and memory in mice via interferon- γ and acetylcholine. *Nat Commun.* 2023-05-29 [PMID: 37248289]

Jun L, Nan L, Jingkuan W et al. Genetically engineered mesenchymal stem cells with dopamine synthesis for Parkinson's disease in animal models. *NPJ Parkinsons Dis.* 2022-12-22 [PMID: 36550118]

ark S, Lee J, Seo S et al. High-Performance Conducting Polymer Nanotube-based Liquid-Ion Gated Field-Effect Transistor Aptasensor for Dopamine Exocytosis. *Sci Rep.* 2020-02-28 [PMID: 32111933]

Roland A, Oladele A, Ayodeji A et al. L-Arginine reverses maternal and pre-pubertal codeine exposure-induced sexual dysfunction via upregulation of androgen receptor gene and NO/cGMP signaling. *PLoS One.* 2022-09-13 [PMID: 36099318]

Amos A, Kehinde F, Chizim I et al. Curcumin attenuates copper-induced oxidative stress and neurotoxicity in *Drosophila melanogaster*. *Toxicol Rep.* 2020-01-27 [PMID: 32025502]

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Limitations

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