Product Datasheet

Dopamine ELISA Kit (Colorimetric)
KA1887

Unit Size: 1 Kit
Store at 4C.

Publications: 30
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**KA1887**
Dopamine ELISA Kit (Colorimetric)

### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>1 Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>Concentration is not relevant for this product. Please see the protocols for proper use of this product.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4C.</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td></td>
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</tbody>
</table>

### 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**
- **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.
- **H225**: Highly flammable liquid and vapour.
- **H360**: May damage fertility or the unborn child.
- **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.

**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

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>ELISA, Quantification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended Dilutions</strong></td>
<td>ELISA, Quantification</td>
</tr>
<tr>
<td><strong>Application Notes</strong></td>
<td>Useful for quantification.</td>
</tr>
</tbody>
</table>
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


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]


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]


More publications at [http://www.novusbio.com/KA1887](http://www.novusbio.com/KA1887)
**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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