Product Datasheet

Dopamine ELISA Kit (Colorimetric)

KA1887

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

www.novusbio.com  technical@novusbio.com

Publications: 7

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## Product Information

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

- **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. Highly flammable liquid and vapour.
- **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**: 114 to 1917 ng/mL urine, 1000 to 8000 pg/mL plasma
- **Plasma**: 4.5 ng/mL urine, 20 pg/mL plasma

### Sensitivity

- **Inter Assay**: CV% < 17.05%
- **Intra Assay**: CV% < 12.65%

### Assay Type

- **Competitive ELISA**

### Spiking Recovery

- **Urine**: 95%
- **Plasma**: 90%

### Suitable Sample Type

- **Plasma**, **Urine**

### Sample Volume

- **Urine**: 10 uL
- **Plasma**: 300 uL

## Product Application Details

### Applications

- **ELISA**

### Recommended Dilutions

- **ELISA**

### Application Notes

Dopamine ELISA Kit is an enzyme immunoassay for the quantitative determination of Dopamine in plasma and urine.
## 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.

![Standard Curve Graph](image)

## Publications

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Journal</th>
<th>Date</th>
<th>PMID</th>
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<tbody>
<tr>
<td>Huang CL, Chao CC, Lee YC et al.</td>
<td>Paraquat Induces Cell Death Through Impairing Mitochondrial Membrane Permeability.</td>
<td>Mol Neurobiol.</td>
<td>2015 May 07</td>
<td>25947082</td>
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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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