Product Datasheet

Epinephrine/Norepinephrine ELISA Kit (Colorimetric)
KA1877

Unit Size: 1 Kit

Store at 4C. Do not freeze.

Publications: 11

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## Epinephrine/Norepinephrine ELISA Kit (Colorimetric)

### Product Information

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>1 Kit</th>
</tr>
</thead>
<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>
<tr>
<td>Storage</td>
<td>Store at 4C. Do not freeze.</td>
</tr>
</tbody>
</table>

### Product Description

**Description**

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**
- **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.
- **Hazards identification**: H290 May be corrosive to metals. 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. 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, coated with boronate affinity gel in a resealable pouch.

**Hydrochloric Acid**: Ready to use, 0.025 M hydrochloric acid, yellow coloured.

**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

Competitive ELISA

### Spiking Recovery

Epinephrine: 107% in Urine, 92% in Plasma

Noradrenaline: 109% in Urine, 97% in Plasma

### Suitable Sample Type

Plasma, Urine
### Sample Volume

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<table>
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<tbody>
<tr>
<td>Urine</td>
<td>10 uL</td>
</tr>
<tr>
<td>Plasma</td>
<td>300 uL</td>
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### Product Application Details

<table>
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<tr>
<th>Applications</th>
<th>ELISA</th>
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<tr>
<td>Recommended Dilutions</td>
<td>ELISA</td>
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### Application Notes

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 Norepinephrine separately.

### 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.
<table>
<thead>
<tr>
<th>Publication</th>
<th>Authors</th>
<th>Journal/Method</th>
<th>PMID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irisin and Fibronectin Type 3 Domain-Controlling 5 Responses to Exercise in Different Environmental Conditions.</td>
<td>Bubak MP, Heesch MWS, Shute RJ et al.</td>
<td>Int J Exerc Sci 2017 Sep 01</td>
<td>28966707</td>
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<tr>
<td>Composition for Cluturing Sanal and Sanal Culturing Method Using the Same.</td>
<td>Park TH, Ko HJ, Jeong SY et al.</td>
<td>Amino Acids 2016 Apr 28</td>
<td>28793909</td>
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<td>Diazoxide protects rat vascular endothelial cells against hypoxia and cold-induced damage.</td>
<td>Zhang LC, Huang Z, Li PB et al.</td>
<td>Exp Ther Med 2017 May 5</td>
<td>26663659</td>
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<td>Microscopic nodes and ducts inside lymphatics and on the surface of internal organs are rich in granulocytes and secretory granules.</td>
<td>Kwon BS, Ha CM, Yu S et al.</td>
<td>Cytokine. 2012 Aug 09</td>
<td>22884518</td>
</tr>
</tbody>
</table>
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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