Product Datasheet

Epinephrine/Norepinephrine ELISA Kit (Colorimetric)
KA1877

Unit Size: 1 Kit
Store at 4C. Do not freeze.

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Epinephrine/Norepinephrine ELISA Kit (Colorimetric)

### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>1 Kit</th>
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<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>
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<td><strong>Storage</strong></td>
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</tbody>
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### 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 Noradrenaline 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
- Norepinephrine: 109% in Urine, 97% in Plasma

**Suitable Sample Type**
- Plasma, Urine

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| Sample Volume | Urine: 10 uL, Plasma: 300 uL |

**Product Application Details**

<table>
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<tr>
<th>Applications</th>
<th>ELISA</th>
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</thead>
<tbody>
<tr>
<td>Recommended Dilutions</td>
<td>ELISA</td>
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</table>

**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.
Publications


Vasamsetti SB, Florentin J, Coppin E et al. Sympathetic Neuronal Activation Triggers Myeloid Progenitor Proliferation and Differentiation. Immunity Jun 26 2018 12:00AM [PMID: 29958804]


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