Product Datasheet

ATPase Activity Kit (Colorimetric)
601-0120

Unit Size: 192 Tests

Storage of components varies. See protocol for specific instructions.

Reviews: 1  Publications: 69

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/601-0120

Updated 4/11/2020 v.20.1

Earn rewards for product reviews and publications.
Submit a publication at www.novusbio.com/publications
Submit a review at www.novusbio.com/reviews/destination/601-0120
**ATPase Activity Kit (Colorimetric)**

### Product Information

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit Size</strong></td>
<td>192 Tests</td>
</tr>
<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>Storage of components varies. See protocol for specific instructions.</td>
</tr>
</tbody>
</table>

### Product Description

**Description**

This non radioactive colorimetric assay kit contains all the necessary reagents for measuring enzyme activity (everything included in the PiColorlock kit and more) and is ideal for high throughput drug screening.

The kits contain PiColorlock, a non-radioactive, superior phosphate detection reagent.

**Key Features of PiColorLock:**

- Colorimetric Assay-competitor assays are radioactive.
- Special additive ensures low backgrounds with acid-labile substrates.
- Unparalleled stability of phosphate-dye complexes.
- Reagent is compatible with almost any assay buffer.
- No inhibition of color development by high concentrations of protein.
- Stable reagent formulation - long shelf life.

Colorimetric assays for ATPases are invariably based on the formation of colored complexes between an inorganic phosphate and a dye molecule under acidic conditions.

**Gene ID**

1769

**Gene Symbol**

DNAH8

**Kit Components**

- 1 x 10 ml of PiColorLock (1 x 25 ml), 1 x 0.25 ml of Accelerator (1 x 0.5 ml), 1 x 5 ml of Stabiliser (1 x 10 ml), 1 x 1.5 ml of 0.1M MgCl2 (2 x 1.5 ml), 1 x 5 ml of 0.5M Tris pH 7.5 (1 x 10 ml), 1 x 5 ml of 0.1mM Pi standard (1 x 10 ml), 4 vials of lyophilized ATP (10 vials), 2 x 96-well plates (5 plates)

**Notes**

This product is manufactured by Expedeon Inc. and distributed by Novus Biologicals.

### Product Application Details

**Applications**

In vitro assay

**Recommended Dilutions**

In vitro assay

**Application Notes**

Na+/K+-ATPase activity determination (PMID: 21304972)
<table>
<thead>
<tr>
<th>Publications</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granja AG, Tafalla C. Different IgM+ B cell subpopulations residing within the peritoneal cavity of vaccinated rainbow trout are differently regulated by BAFF. Fish Shellfish Immunol. 2017 Oct 5 [PMID: 28989090]</td>
<td></td>
</tr>
</tbody>
</table>

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/601-0120

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications