Product Datasheet

ATPase Assay Kit (Colorimetric)
601-0122

Unit Size: 5 x 480 Tests

Storage of components varies. See protocol for specific instructions.

Publications: 44

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## ATPase Assay Kit (Colorimetric)

### Product Information
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>5 x 480 Tests</td>
</tr>
<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>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

<table>
<thead>
<tr>
<th>Gene ID</th>
<th>1769</th>
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</table>

### Gene Symbol

<table>
<thead>
<tr>
<th>Gene Symbol</th>
<th>DNAH8</th>
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</table>

### Kit Components

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>PiColorLock (1 x 25 ml)</td>
<td>1 x 10 ml</td>
</tr>
<tr>
<td>Accelerator (1 x 0.5 ml)</td>
<td>1 x 0.25 ml</td>
</tr>
<tr>
<td>Stabiliser (1 x 10 ml)</td>
<td>1 x 5 ml</td>
</tr>
<tr>
<td>0.1M MgCl2 (2 x 1.5 ml)</td>
<td>1 x 1.5 ml</td>
</tr>
<tr>
<td>0.5M Tris pH 7.5 (1 x 10 ml)</td>
<td>1 x 5 ml</td>
</tr>
<tr>
<td>0.1mM Pi standard (1 x 10 ml)</td>
<td>1 x 5 ml</td>
</tr>
<tr>
<td>lyophilized ATP (10 vials)</td>
<td>4 vials</td>
</tr>
<tr>
<td>96-well plates</td>
<td>2 x 96-well plates</td>
</tr>
</tbody>
</table>

### Notes

This product is manufactured by Innova Biosciences.

### Product Application Details

**Applications**

In vitro assay

**Recommended Dilutions**

In vitro assay Na+/K+-ATPase activity determination (PMID: 21304972)


Bruchmann A, Roller C, Walther TV et al. Bcl-2 associated athanogene 5 Bag5is overexpressed in prostate cancer and inhibits ER-stress induced apoptosis. BMC Cancer 2013 [PMID: 23448667]


Bartoszewska M, Williams C, Kikhney A et al. Peroxisomal proteostasis involves a Lon family protein that functions as protease and chaperone. JBC 2012 [PMID: 22733816]

More publications at http://www.novusbio.com/601-0122
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

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