

Human Pgp/MDR1 Vesicle Kit (HEK293 derived)

Catalog #: 0131-PP-001

Description:

Human drug efflux transporter (ABC transporter) vesicles are inside-out HEK293 membrane vesicles designed for high-throughput, ATP-dependent substrate transport assays with detection by radiolabel, fluorescence, or LC-MS.

Target:

Human Multidrug Resistance 1 (MDR1)

Formulation & Storage: Store at -80°C

Notes & Usage Guidelines:

Protein Concentration: 1.5 mg/mL

Volume: 4x500µL

Expiration date: 2 years from the date of shipping

Unit Size: 100 reactions / kit (96-wells format)

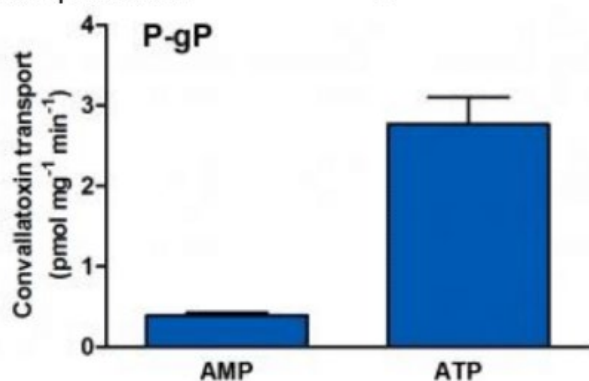
Refreeze: Snap freeze vesicles with liquid nitrogen; store at -80°C

Applications

- Vesicular transport studies, ADME

Transport ratio (ATP/AMP):

Transporter: Pgp
Substrate: Fluo-Pgp, NMQ or Convallatoxin
Transport ratio: > 5



Each vesicle kit contains:

- Vesicle vial (100 reactions)
- AMP (100 mM; pH 7.4)
- ATP (100 mM; pH 7.4)
- Assay buffer (2x): 500 mM Sucrose, 20 mM Tris-HEPES pH 7.4, 500 mM MgCl₂
- Stop/Wash solution

Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at products@ibtbioservices.com.

Related Products:

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