CREATIVE BIOMART®
Assay Kit

ATPase Assay Kit

Product Information

Cat

Kit-2418

Cat.No. Kit-2418

Product Overview

ATPases and GTPases catalyze the decomposition of ATP or GTP into ADP or GDP and free phosphate ion. These enzymes play key roles in transport, signal transduction, protein biosynthesis and cell differentiation. ATPase/GTPase Assay Kit offers a highly sensitive method for determining ATPase/GTPase activities in a microplate format. Its proprietary formulation features a single reagent for accurate determination of enzyme activity in 30 min at room temperature. The improved malachite green reagent forms a stable dark green color with liberated phosphate, which is measured on a plate reader (600 - 660 nm).

Storage

4°C

Shipping

RT

Size

200 tests

Detection method OD620nm

Compatible Sample Types

ATPase and GTPase

Features & Benefits

High sensitivity: detection of 0.007 U/L ATPase or GTPase activity.
Fast and convenient: single reagent, homogeneous "mix-and-measure" assay allows quantitation of enzyme activity within 30 minutes.
Robust and amenable to HTS: detection at 620nm greatly reduces potential interference by colored

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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compounds. Z factors of >0.7 are observed in 96-well and 384-well plates. Can be readily automated on HTS liquid handling systems.

Assay time
30 min
Sensitivity
0.007 U/L

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