

ATPase Assay Kit

Cat. No. Kit-2418 **Lot. No.** (See product label)

SPECIFICATION

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 compounds. Z factors of >0.7 are observed in 96-well and

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384-well plates. Can be readily automated on HTS liquid handling systems.

Assay time	30 min
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Sensitivity	0.007 U/L
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