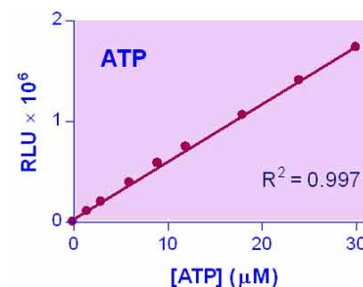


EnzyLight™ ATP Assay Kit

Catalog Number: AKBA382

Size: 100 tests

Price: [Online Inquiry](#)



Product Information

Product Name	EnzyLight™ ATP Assay Kit
Applications	For rapid, quantitative, bioluminescent determination of ATP and evaluation of drug effects on ATP metabolism.
Features	Safe. Non-radioactive assay. Sensitive and accurate. As low as 0.02 μM ATP or a single cell can be quantified. Homogeneous and convenient. “Mix-incubate-measure” type assay. No wash and reagent transfer steps are involved. Robust and amenable to HTS: Z factors of > 0.5 are routinely observed in 96-well and 384-well plates. Can be readily automated on HTS liquid handling systems.
Detection Method	Luminescence
Sample Type	Cells etc
Species	All
Assay Time	10 min
Limit of Detection	0.02 μM
Expiration Date	12 months
Description	Adenosine 5'-triphosphate (ATP) is the chemical energy for cellular metabolism and is often referred to as “energy currency” of the cell. ATP is produced only in living cells during photosynthesis and cellular respiration and consumed in cellular processes including biosynthetic reactions, motility and cell division. It is a key indicator of cellular activity and has been utilized as a measure of cell viability and cytotoxicity in research and drug discovery. BioAssay Systems' ATP Assay Kit provides a rapid method to measure intracellular ATP. The single working reagent lyses cells to release ATP, which, in the presence of luciferase, immediately reacts with the Substrate D-luciferin to produce light. The light intensity is a direct measure of intracellular ATP concentration. This non-radioactive, homogeneous cell-based assay is performed in microplates. The reagent is compatible with all liquid handling systems for high-throughput screening applications in 96-well and 384-well plates.
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt