

ATP assay kit

ATP Colorimetric Assay Kit

CATALOG #
AAA177791

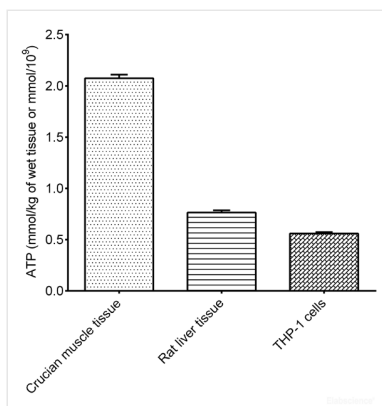
PRODUCT SYNONYMS

ATP; ATP Colorimetric Assay Kit; ATP assay kit

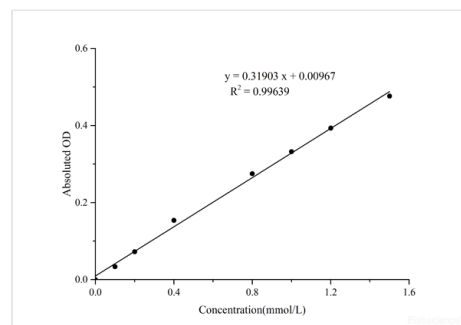
PRODUCT SPECIFICATIONS

Samples	Animal tissue and cell samples
Detection Range	0.03-1.5 mmol/L
Sensitivity	0.01 mmol/L
Preparation and Storage	Reagent 4: -20 degree C; Others: 2-8 degree C. Valid for 12 months.

IMAGES



Standard Curve (Sample)



Application Data

ADDITIONAL INFORMATION

Related Product Information for ATP assay kit

Intended Uses: This kit can be used to measure ATP content in animal tissue and cell samples.

Principle of the Assay: Creatine kinase catalyzes adenosine triphosphate and creatine to produce creatine phosphate. The content of phosphocreatine was determined by colorimetric method to reflect the content of ATP.

Background/Introduction: Adenosine-5'-triphosphate (ATP) is a natural nucleotide present in every cell, an organic compound composed of purine base (adenine), ribose and 3 phosphate groups. The content of ATP in tissue or cells is generally in a dynamic balance state, which is of great significance to constitute a stable energy supply environment inside the organism. The release of ATP from many cells is a physiological or pathophysiological response to mechanical stress, hypoxia, inflammation and some agonists.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.