

## General ATP Synthase Assay Kit

ATP Synthase Microplate Assay Kit

|                              |                              |                                         |
|------------------------------|------------------------------|-----------------------------------------|
| CATALOG #<br><b>AAA27888</b> | REACTIVITY<br><b>General</b> | APPLICATIONS<br><b>Functional Assay</b> |
|------------------------------|------------------------------|-----------------------------------------|

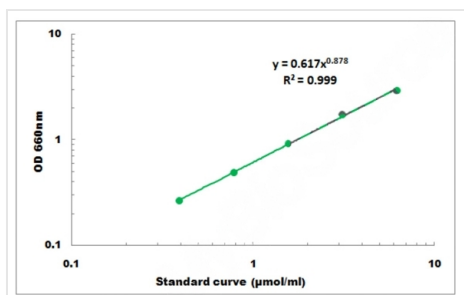
### PRODUCT SYNONYMS

ATP Synthase; ATP Synthase Microplate Assay Kit; EC 3.6.3.14; ATP synthase; F1-ATPase; FoF1-ATPase; H<sup>+</sup>-transporting ATPase; mitochondrial ATPase; chloroplast ATPase; bacterial Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase; ATP Synthase assay kit

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                      |
|----------------------------------------------------|--------------------------------------------------------------------------------------|
| Reactivity                                         | General                                                                              |
| Samples                                            | Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples |
| Detection Range                                    | 0.1 umol/ml - 10 umol/ml                                                             |
| Applicable Applications for ATP Synthase assay kit | FA (Functional Assay)                                                                |
| Preparation and Storage                            | Store at 4 degree C for 6 months.                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ATP Synthase assay kit

Background: ATP synthase (EC 3.6.3.14) is an important enzyme that creates the energy storage molecule adenosine triphosphate (ATP). ATP is the most commonly used "energy currency" of cells for most organisms. It is formed from adenosine diphosphate (ADP) and inorganic phosphate (Pi), and needs energy for its formation. The assay is used to determine ATP Synthase activity. The enzyme catalysed reaction products Pi can react with dry reagent, and can be measured at a colorimetric readout at 660 nm.

**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.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/atp-synthase/27888>