

ATP Citrate Lyase (ACL) Assay Kit | ACL assay kit

Micro ATP Citrate Lyase (ACL) Activity Assay Kit

CATALOG #
AAA332662

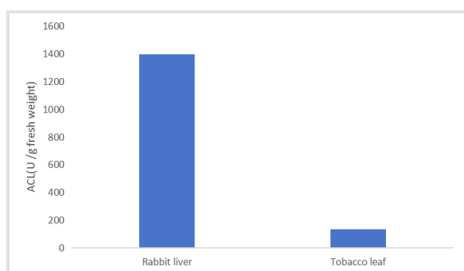
PRODUCT SYNONYMS

ATP Citrate Lyase (ACL); Micro ATP Citrate Lyase (ACL) Activity Assay Kit; ACL assay kit

PRODUCT SPECIFICATIONS

Samples	Animal and plant tissues, bacteria and cells, serum or plasma
Kit Components	Extraction Buffer Reagent I Reagent II Reagent III
Features & Benefits	The verified samples are complete in type and easy to operate.
Usage Notes	If not assayed immediately, samples can be stored at -80 degree C for one month. It is recommended to perform several dilutions of your sample to ensure the readings are within the standard value range. Fresh samples are necessary for good results. If don't perform the assay at the same time, it's better to complete the Sample Preparation step before storing the samples.
Preparation and Storage	Storage at -20 degree C and Keep from light immediately upon receipt. Kit has a storage time of 6 months from receipt. Refer to list of materials supplied for storage conditions of individual components. Shipping: Gel pack with blue ice.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for ACL assay kit	ATP citrate lyase is a key cytosolic enzyme that catalyzes the production of acetyl-CoA from citric acid. Produced acetyl-CoA is the main raw material for the synthesis of fatty substances such as fatty acids and cholesterol, and can participate in the modification of related important proteins. It is a pivotal substance for energy substance metabolism in the body. Micro ATP Citrate Lyase (ACL) Activity Assay Kit can be used to detect biological samples such as animal and plant tissue, cells or bacteria, serum or plasma. In this kit, in the presence of ATP and coenzyme A, ACL can catalyze the cleavage of citric acid into acetyl coenzyme A, oxaloacetate, ADP, and phosphate. Malate dehydrogenase further catalyzes oxaloacetate and NADH to produce malate and NAD ⁺ , leading light absorption decreases at 340 nm.
Product Categories/Family for ACL assay kit	Cell analysis; Cell metabolism detection kit

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://www.aaabiotech.com/assay-kits/atp-citrate-lyase-acl/332662>