

Alanine Aminotransferase (ALT/GPT) Assay Kit | ALT/GPT assay kit

Alanine Aminotransferase (ALT/GPT) Activity Colorimetric Assay Kit

CATALOG #
AAA31534

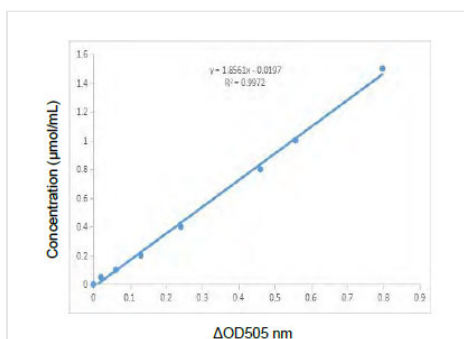
PRODUCT SYNONYMS

Alanine Aminotransferase (ALT/GPT); Alanine Aminotransferase (ALT/GPT) Activity Colorimetric Assay Kit; ALT; GPT; Alanine aminotransferase; glutamate pyruvic transaminase; ALT/GPT assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, Plasma, Animal and Plant Tissues, Cells, Bacteria
Preparation and Storage	Storage at 4 degree C and protected from light upon receipt. Kit has a storage time of 6 months form receipt. Shipping: Gel pack with blue ice.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALT/GPT assay kit	Principle of the Assay: Alanine Aminotransferase (ALT/GPT) is widely present in animals, plants, microorganisms and cultured cells. It catalyzes thereversible amino reaction and is an important enzyme for amino acid metabolism. Serum ALT activity level is an importantbiochemical indicator of liver damage, which can reflect the severity of liver damage. In addition, ALT has the highest content incardiomyocytes, and is generally used as an auxiliary examination for myocardial infarction and myocarditis in clinical practice.CheKine™ Micro Alanine Aminotransferase (ALT/GPT) Activity Assay Kit provides a simple method for detecting ALT/GPT activityin a variety of biological samples such as Serum, Plasma, Animal and Plant Tissues, Cells, Bacteria. In the assay, ALT catalyzesthe transamination reaction of alpha-ketoglutarate and alanine at 37? and pH7.4 to produce glutamic acid and pyruvate; Pyruvatecan react with 2,4-dinitrophenylhydrazine to form pyruvate phenylhydrazone, which appears brownish red under alkalineconditions and has a characteristic absorption peak at 505 nm. The rate of pyruvate phenylhydrazone increase at 505 nm canreflect ALT/GPT activity.
Product Categories/Family for ALT/GPT assay kit	Cell Metabolism

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.