

Glutamic-Pyruvic Transaminase/Alanine Aminotransferase Activity Assay kit

GPT/ALT (EC 2.6.1.2) is widely present in animals, plants, microorganisms and cultured cells. It catalyzes the transamination reaction of amino acids and keto acids, and plays an important role in amino acid metabolism. In addition, the GPT/ALT activity of mammalian liver cells is very high. When the liver cells are necrotic, GPT/ALT is released into the blood, and the serum GPT activity is significantly increased. Therefore, GPT/ALT is recommended by the World Health Organization as the most sensitive indicator of liver damage.

GPT/ALT catalyzes the transamination reaction between alanine and alpha-ketoglutarate to generate pyruvic acid and glutamic acid; adding 2,4-dinitrophenylhydrazine solution not only terminates the above reaction, but also reacts with ketoacid Addition of the carbonyl group to generate pyruvate phenylhydrazone; phenylhydrazone is reddish-brown under alkaline conditions, and the absorbance can be read at 505nm and the enzyme activity can be calculated.

Catalog No.	250155
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	Visible spectrophotometry
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs