

Alanine Aminotransferase (ALT, GPT), Porcine Heart

CATALOG NO:	P1298-1 P1298-10	1 kU 10 kU
ALTERNATE NAMES:	Glutamate Pyruvate Transaminase, Alanine Transaminase, serum glutamic-pyruvic transaminase, SGPT, GPT, ALT, ALAT	
SOURCE:	Porcine Heart	
PURITY:	Purified	
MOL. WEIGHT:	~100 kDa	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from tris-chloride, pH 7.0 with sodium chloride, EDTA, DTT, a-ketoglutarate and pyridoxal-5-phosphate	
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freezing and thawing cycles.	
BIOLOGICAL ACTIVITY:	≥ 90 U/mg (Dimension® Clinical Chemistry System)	
UNIT DEFINITION:	One unit will catalyze the transamination of one micromole per minute of L-alanine to a-ketoglutarate, forming L-glutamate and pyruvate, at 37°C and pH 7.4.	
RECONSTITUTION:	Clear, yellow-green (10 mg/mL saline)	
DESCRIPTION:	<p>The alanine aminotransferase (ALT) blood test is typically used to detect liver injury. GPT/ALT test is often ordered in conjunction with aspartate aminotransferase (AST) or as part of a liver panel to screen for and/or help diagnose liver disease. AST and ALT are considered to be two of the most important tests to detect liver injury, although ALT is more specific than AST. Sometimes AST is compared directly to ALT and an AST/ALT ratio is calculated. This ratio may be used to distinguish between different causes of liver damage.</p> <p>GPT values are often compared to the results of other tests such as alkaline phosphatase (ALP), total protein, and bilirubin to help determine which form of liver disease is present.</p>	

ALT is often used to monitor the treatment of persons who have liver disease, to see if the treatment is working, and may be ordered either by itself or along with other tests for this purpose.

RELATED PRODUCTS:

- Alanine Aminotransferase 1 (GPT) (Human) ELISA Kit (**Cat. No. E4323**)
- Alanine Aminotransferase 1 (GPT) (rat) ELISA Kit (**Cat. No. E4325**)
- Alanine Aminotransferase (ALT or SGPT) Activity Colorimetric/Fluorometric Assay Kit (**Cat. No. K752**)
- Anti-GPT/ALT1 Antibody (**Cat. No. A1271**)
- Anti-GPT2/ALT2 Antibody (**Cat. No. A1270**)
- GPT/ALT1, human recombinant (**Cat. No. 7805**)
- GPT2/ALT2, human recombinant (**Cat. No. 7806**)
- Alanine Colorimetric/Fluorometric Assay Kit (**Cat. No. K652**)

FOR RESEARCH USE ONLY! Not to be used on humans.