

Aspartate Aminotransferase (AST, GOT), Porcine Heart

CATALOG NO:	P1300-5 P1300-20	5 kU 20 kU
ALTERNATE NAMES:	Aspartate Transaminase, glutamate oxaloacetate transaminase, AST, GOT, sGOT, AspAT, ASAT, AAT, serum glutamic oxaloacetic transaminase	
SOURCE:	Porcine Heart	
PURITY:	Purified	
MOL. WEIGHT:	~92 kDa (Feliss and martinez-Carrion 1970)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from sodium phosphate and pyridoxal-5-phosphate, pH 7.0	
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freezing and thawing cycles.	
BIOLOGICAL ACTIVITY:	≥ 100 U/mg (Dimension® Clinical Chemistry System)	
UNIT DEFINITION:	One unit will catalyze the transamination of one micromole of L-aspartate to alpha-ketoglutarate forming L-glutamate and oxaloacetate per minute at 37°C and pH 7.8	
RECONSTITUTION:	≥ 1 mg/mL in Tris buffered saline, 1% BSA, pH 8.0.	
DESCRIPTION:	There are two SGOT/AST isoenzymes are present in humans, they have high similarity. GOT1, the cytosolic isoenzyme derives mainly from red blood cells and heart. GOT2, the mitochondrial isoenzyme is predominantly present in liver.	

RELATED PRODUCTS:

- Aspartate Aminotransferase (AST) (Mouse) ELISA Kit (**Cat. No. E4320**)
- Aspartate Aminotransferase (AST) (Human) ELISA Kit (**Cat. No. E4319**)
- Aspartate Aminotransferase (AST) (Rat) ELISA Kit (**Cat. No. E4321**)
- Aspartate Aminotransferase (AST or SGOT) Activity Colorimetric Assay Kit (**Cat. No. K753**)
- Anti-GOT2 Antibody (**cat. No. A1273**)
- Anti-GOT1 Antibody (**Cat. No. A1272**)
- GOT2, human recombinant (**Cat. No. 7809**)
- GOT1, human recombinant (**Cat. No. 7808**)

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