

Product Datasheet

Glutamate Pyruvate Transaminase (GPT), Alanine Transaminase (ALT) 310-30

Product Name	Glutamate Pyruvate Transaminase (GPT), Alanine Transaminase (ALT)
Catalog Number	310-30
Alternative Names	Glutamate Pyruvate Transaminase, Alanine Transaminase, serum glutamic-pyruvic transaminase, SGPT, GPT, ALT, ALAT
Brand	Lee Biosolutions
Form/Appearance	Lyophilized Yellow to yellow-green powder
Concentration	≥ 0.8 mg protein/mg solid (A ₂₈₀)
Storage	-20 °C
Purity	Purified
CAS Number	9000-86-6
Source	Porcine Heart
Molecular Weight	~100,000
Shelf Life	3 years
Biological Activity	≥ 90 U/mg (Dimension® Clinical Chemistry System)
Content	CPK: ≤ 0.1% GLDH: ≤ 0.01% AST/GOT: ≤ 0.5% LDH: ≤ 0.1% Protease: ≤ 0.02 U/mg (< 0.001 O.D./8 min.) Ammonia: ≤ 0.5 micromole/mg
Specific Activity	≥ 80 U/mg protein
Unit Definition	One unit will catalyze the transamination of one micromole per minute of L-alanine to α-ketoglutarate, forming L-glutamate and pyruvate, at 37°C and pH 7.4.