

## Product Datasheet

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

<b>Product Name</b>	Glutamate Pyruvate Transaminase (GPT), Alanine Transaminase (ALT)
<b>Catalog Number</b>	310-30
<b>Alternative Names</b>	Glutamate Pyruvate Transaminase, Alanine Transaminase, serum glutamic-pyruvic transaminase, SGPT, GPT, ALT, ALAT
<b>Brand</b>	Lee Biosolutions
<b>Form/Appearance</b>	Lyophilized Yellow to yellow-green powder
<b>Concentration</b>	≥ 0.8 mg protein/mg solid (A <sub>280</sub> )
<b>Storage</b>	-20 °C
<b>Purity</b>	Purified
<b>CAS Number</b>	9000-86-6
<b>Source</b>	Porcine Heart
<b>Molecular Weight</b>	~100,000
<b>Shelf Life</b>	3 years
<b>Biological Activity</b>	≥ 90 U/mg (Dimension® Clinical Chemistry System)
<b>Content</b>	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
<b>Specific Activity</b>	≥ 80 U/mg protein
<b>Unit Definition</b>	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.