

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 $\sim 100,000$

Shelf Life 3 years

Biological Activity ≥ 90 U/mg (Dimension® Clinical Chemistry System)

Content CPK: $\leq 0.1\%$
GLDH: $\leq 0.01\%$
AST/GOT: $\leq 0.5\%$
LDH: $\leq 0.1\%$
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.