

SPECIFICATIONS

Glycerol Kinase from Microorganism GK-110

Product name	ATP: Glycerol 3-phosphotransferase
EC	2.7.1.30
Appearance	White to gray white amorphous powder
Activity	10 U/mg or more
Stability	Stable at -20 °C for at least 12 months
Molecular weight	approx. 220,000
Isoelectric point	4.3±0.1
Michaelis constants	9.4x10 ⁵ mol/L(Glycerol); 1.3×10 ⁵ mol/L(ATP); 2.1x10 ⁻³ mol/L(dihydroxiacetone)
Inhibitors	p-Chloromercuribenzoate, Hg ⁺⁺ , Ag ⁺
Optimum pH	8.0
Optimum temperature	50 °C pH
Stability	pH 6-10
Thermal stability	60°C

