

Diagnostic Glycerol Kinase

Product Information

Cat#	TRA-002
Description	Glycerol Kinase is used for triglyceride testing, participating in lipid metabolism through glycerol phosphorylation for clinical diagnosis.
Applications	For triglyceride testing, development and bulk preparation of triglyceride reagents.
CAS No.	9030-66-4
Enzyme Commission Number	EC 2.7.1.30
Synonyms	GK
Form	White amorphous powder
Source	Microorganism
Activity	≥ 180 U/mg
Unit Definition	One unit will convert 1 μmol of glycerol to glycerol-3- phosphate per min at pH 7.9 at 37°C.
Molecular Weight	55 kDa (SDS-PAGE)
Optimum pH	8.0
Optimum temperature	70-80°C
pH Stability	4.0-10.0 (30°C, 20 h)
Thermal Stability	< 65°C (pH 7.5, 30 min)
Isoelectric Point	5.1
Km Value	3.8×10 ⁻⁵ M (Glycerol)
Inhibitors	Fe ³⁺ , Proclin, SDS
Storage	-20°C