

## Glycerol Kinase

### Product Information

<b>Cat#</b>	TRA-046
<b>Specification</b>	5KU,100KU,500KU,1000KU
<b>Description</b>	Specifically catalyzes D-lactic acid dehydrogenase for clinical testing of dysbiosis or D-lactic acidosis.
<b>Applications</b>	For R&D and bulk preparation of triglyceride reagents.
<b>Form</b>	White amorphous lyophilized powder
<b>Source</b>	Microorganisms
<b>Activity</b>	≥ 30.0 U/mg
<b>Unit Definition</b>	One unit is defined as the amount of enzyme required to consume 1 μmol of glycerol per minute under the following conditions.
<b>Molecular Weight</b>	55 kDa (SDS-PAGE)
<b>Purity</b>	≥ 90% by SDS-PAGE
<b>Optimum pH</b>	7.5
<b>Optimum temperature</b>	45°C
<b>pH Stability</b>	5.5-10.0 (25°C, 16 h)
<b>Thermal Stability</b>	< 45°C (pH 7.5, 30 min)
<b>Isoelectric Point</b>	5
<b>Km Value</b>	4.4×10 <sup>-5</sup> M (Glycerol), 3.7×10 <sup>-5</sup> M (ATP)
<b>Inhibitors</b>	Ag <sup>+</sup> , Hg <sup>2+</sup>
<b>Protectant</b>	BSA
<b>Storage</b>	Store at -25°C to -15°C for 12 months maintains > 80% activity.