

**ENZYMES**

# Glycerol Kinase

**ORIGIN** *Escherichia coli*

**CAT# 70-6741-01**  
**EC# 2.7.1.30**

**SPECIFICATIONS**

<b>Appearance</b>	Tan to light yellow powder
<b>Activity</b>	12-38 U/mg powder at 30°C
<b>Contaminants</b>	<b>ATPase</b> <0.02%
	<b>NADH oxidase</b> <0.01%
	<b>Myokinase</b> < 0.01%
	<b>Glycerol (OD<sub>500</sub>)</b> <0.05
	<b>Glucose oxidase</b> <0.002%

**APPLICATION**

Used in the formulation of triglyceride reagents.

**UNIT DEFINITION**

One unit of activity is defined as the amount of enzyme that will catalyze the phosphorylation of 1.0 micromole of glycerol per minute at 30°C under the standard assay method conditions.

**ASSAY PRINCIPLE**

Glycerol Kinase (GK) catalyses the following reaction:



The appearance of NADH is measured spectrophotometrically at 340nm

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