

## Native *Bacillus stearothermophilus* Glycerokinase

Cat. No. NATE-0286

Lot. No. (See product label)

### Introduction

**Description** Glycerol kinase is a phosphotransferase enzyme involved in triglycerides and glycerophospholipids synthesis. Glycerol kinase catalyzes the MgATP-dependent phosphorylation of glycerol to produce sn-glycerol-3-phosphate and is the rate limiting enzyme in the utilization of glycerol. It is also subject to feedback regulation by fructose-1,6-bisphosphate.

**Synonyms** EC 2.7.1.30; glycerokinase; GK; ATP:glycerol-3-phosphotransferase; glycerol kinase (phosphorylating); glyceric kinase; 9030-66-4

### Product Information

**Source** *Bacillus stearothermophilus*

**Form** buffered aqueous solution; Stabilized solution in Tris buffer, pH 7.3

**EC Number** EC 2.7.1.30

**CAS No.** 9030-66-4

**Activity** > 75 units/mg protein (biuret)

**Unit Definition** One unit will convert 1.0  $\mu$ mole of glycerol and ATP to L- $\alpha$ -glycerophosphate and ADP per min at pH 9.8 at 25°C in a coupled system with PK/LDH.

### Storage and Shipping Information

**Storage** 2-8°C