

Native Rabbit Pyruvate Kinase/Lactic Dehydrogenase enzymes

Cat. No. NATE-0568

Lot. No. (See product label)

Introduction

Description Lactate dehydrogenase from rabbit muscle can be inhibited by ascorbate. Aldolase and actin were shown to block this inhibitory effect. Pyruvate kinase requires bivalent and monovalent cations such as Mg²⁺ and K⁺ respectively for activation to occur.

Applications Pyruvate kinase from rabbit muscle has been used in a study to assess nuclear magnetic relaxation studies of the conformation of adenosine 5'-triphosphate. It has also been used in a study to investigate heterogeneity of presumably homogeneous protein preparations.

Synonyms Pyruvate Kinase/Lactic Dehydrogenase enzymes; PK/LDH enzymes

Product Information

Species Rabbit

Source rabbit muscle

Form buffered aqueous glycerol solution

Activity 900-1400 units/mL lactic dehydrogenase; 600-1,000 units/mL pyruvate kinase

Buffer Solution in 50% glycerol containing 10 mM HEPES, pH 7.0, 100 mM KCl and 0.1 mM EDTA

Unit Definition Pyruvate kinase activity: One unit will convert 1.0 μ mole of phospho (enol)pyruvate to pyruvate per min at pH 7.6 at 37°C. Lactic dehydrogenase activity: One unit will reduce 1.0 μ mole of pyruvate to L-lactate per min at pH 7.5 at 37°C.

Storage and Shipping Information

Stability -20°C