CREATIVE BIOMART®
Assay Kit

Pyruvate Kinase (PK) Activity Assay Kit

Product Information

Product Overview

Significance of Measurement: Pyruvate kinase (PK, EC 2.7.1.40) catalyzes the final step of glycolysis and is one of the major rate-limiting enzymes responsible for ATP generation.
Principle of Measurement: PK catalyzes the conversion of phosphoenolpyruvate and ADP to pyruvate and ATP. Lactate dehydrogenase further catalyzes the reduction of pyruvate to lactate, accompanied by NADH oxidation. The decrease in absorbance at 340 nm reflects PK activity.

Size

50t/48s

Storage

Store at -20 °C. Shelf life: 6 months.

Detection method Spectrophotometer

Materials Required but Not Supplied

UV spectrophotometer, benchtop centrifuge, water bath, adjustable pipettes, quartz cuvettes, mortar, ice, and distilled water.

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