Phosphoglucose Isomerase (PGI) Activity Assay Kit

Cat. No. KITZ-038 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Phosphoglucose isomerase catalyzes the conversion of fructose-6-phosphate to glucose-6-phosphate, which is then further converted to 6-phosphoglucono-δ-lactone under the action of glucose-6-phosphate dehydrogenase, simultaneously converting NADP to NADPH. NADPH has a characteristic absorption peak at 340 nm, and the rate of change in absorbance can be used to characterize the activity of phosphoglucose isomerase.
Size	50T/48S
Storage	Store at -20 °C
Shipping	Ice pack
Kit Components	Extract solution: 60 mL × 1 bottle, store at 4°C. Reagent I: 60 mL × 1 bottle, store at 4°C. Reagent II: Powder × 1 bottle, store at -20°C. Reagent III: Liquid × 1 vial, store at -20°C.
Materials Required but Not Supplied	UV spectrophotometer, 1 mL quartz cuvettes (10 mm path length), mortar/homogenizer, adjustable pipettes, benchtop centrifuge, thermostatic water bath/incubator, and distilled water.

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