CREATIVE BIOMART®
Assay Kit

# Fructose-1, 6-Diphosphate (FDP) Content Assay Kit

## Product Information

**Product Overview**

Fructose-1,6-bisphosphate is an important intermediate in glycolysis and regulates multiple enzymes. It improves cellular energy metabolism and is widely used in clinical applications.
Aldolase catalyzes FDP cleavage into glyceraldehyde-3-phosphate and dihydroxyacetone phosphate. Triosephosphate isomerase and a-glycerophosphate dehydrogenase catalyze NADH oxidation, resulting in decreased absorbance at 340 nm. FDP content is calculated based on NADH consumption.

**Size**

50t/48s

**Storage**

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

**Detection method** Spectrophotometer

**Materials Required but Not Supplied**

UV spectrophotometer, balance, refrigerated centrifuge, water bath or incubator, 1 mL quartz cuvettes, adjustable pipettes, homogenizer or sonicator, vortex mixer, ice, distilled water.

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