



Fructose-1,6-Diphosphate Content Assay kit

Fructose-1,6-Diphosphate (FDP) is an important intermediate product in the process of glycolysis. It has a regulatory effect on a variety of enzymes, and can improve cell energy metabolism, increase energy utilization, anti-arrhythmia and anti-tissue peroxidation. It is widely used in clinical medicine. Aldolase catalyzes fructose 1,6-diphosphate to produce glyceraldehyde-3-phosphate and dihydroxyacetone phosphate. Under the action of triose phosphate isomerase and alpha-glycerophosphate dehydrogenase, NADH and dihydroxyacetone phosphate are catalyzed to produce NAD⁺ and alpha-glycerophosphate, causing a decrease in absorbance at 340 nm. The content of fructose 1,6-diphosphate can be calculated by measuring the change of NADH.

Catalog No.	250224
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	-20°C/6 months
Shipping	Gel Packs