



## Fructose-1,6-Diphosphate Content Assay kit

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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<sup>+</sup> 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.

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|-------------------|----------------------------------------|
| 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                              |