

6-Phosphofructokinase (PFK) Activity Assay Kit | PFK assay kit

6-Phosphofructokinase (PFK) Activity Colorimetric Assay Kit

CATALOG #
AAA332510

PRODUCT SYNONYMS

6-Phosphofructokinase (PFK) Activity; 6-Phosphofructokinase (PFK) Activity Colorimetric Assay Kit; 6-Phosphofructokinase; PFK; Colorimetric; PFK Assay; PFK assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, Plasma, Animal and Plant Tissues, Cells, Cell culture supernatant, Bacteria
Usage Notes	Do not mix or substitute reagents or materials from other kit lots or vendors. It is advisable to measure serum potassium as soon as possible after blood collection. Ensure all reagents and equipment are at the appropriate temperature before starting the assay.
Preparation and Storage	Store at 4 degree C and protect from light upon receipt. Kit has a storage time of 12 months form receipt. Shipping Gel pack with blue ice.

ADDITIONAL INFORMATION

Related Product Information for PFK assay kit	Principle of the Assay: Phosphofructokinase (PFK, EC 2.7.1.11) is widely present in animals, plants, microorganisms and cultured cells. It is important in regulating the process of fermentation, by which one molecule of the simple sugar glucose is broken down to two molecules of pyruvic acid. The enzyme, one of a class called transferases, catalyzes one of several specific reactions involved in this breakdown—the formation of fructose-1,6-diphosphate and adenosine diphosphate (ADP) from fructose-6-phosphate and adenosine triphosphate (ATP); its activity is sensitive to the ATP/ADP ratio in the cell. PFK is one of the key regulatory enzymes in the glycolysis process. CheKine™ Micro 6-Phosphofructokinase (PFK) Activity Assay Kit provides a convenient tool for sensitive detection of PFK Activity. The principle is that PFK catalyzes fructose-6-phosphate and ATP to produce fructose-1,6-diphosphate and ADP, and pyruvate kinase and lactate dehydrogenase further catalyze the oxidation of NADH to NAD ⁺ . NADH has a maximum absorption peak detected at about 340 nm. The enzyme activity of PFK was calculated by detecting the rate of decrease in absorption at 340 nm.
Product Categories/Family for PFK assay kit	Biochemical Assay Kit; Cell Metabolism; Cytology

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/6-phosphofructokinase-pfk-activity/332510>