Phosphofructokinase Activity Assay

A plate based colorimetric assay to quantify Phosphofructokinase (PFK) activity in a variety of biological samples with a sensitivity in the microunit range.

Phosphofructokinase (PFK) is a key glycolytic enzyme and plays a major regulatory role in glycolysis. PFK catalyzes the conversion of fructose-6-phosphate to fructose-1,6-bisphosphate. It is allosterically regulated by several chemicals including ATP, ADP and citrate. When energy levels are low the ADP to ATP ratio is high which turns on PFK, accelerating glycolysis. Conversely when energy levels are high ATP and citrate work to turn off PFK. Dysregulation of PFK leads to metabolic disorders. PFK has been targeted in cancer therapy since cancer cells display enhanced glycolytic activity. AkrivisBio's Phosphofructokinase Activity Assay is a simple sensitive means of quantifying PFK activity in a variety of biological samples with a sensitivity in the microunit range.

Ordering Information

Order Online »

AKR-MA-0165	100 wells

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Colorimetric detection
Species Reactivity	Species independent
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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