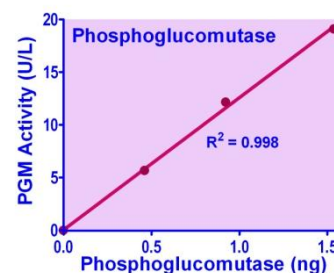


CD Phosphoglucomutase Assay Kit

Catalog Number: AKBA142

Size: 100 tests in 96-well plate

Price: [Online Inquiry](#)



Product Information

Product Name	CD Phosphoglucomutase Assay Kit
Applications	For quantitative determination of phosphoglucomutase enzyme activity in biological samples.
Features	Safe and sensitive. Non-radioactive assay. Linear detection range in 96-well plate: 0.5 to 20 U/L activity. Fast and convenient. The procedure involves addition of a single working reagent and incubation for 20 min. Room temperature assay. No 37°C incubator is needed. High-throughput. Homogeneous “mix-incubate-measure” type assay. Can be readily automated to assay thousands of samples per day.
Detection Method	OD460nm
Sample Type	Serum, plasma, cell lysate, and other biological samples
Species	All
Assay Time	20 min
Limit of Detection	0.5 U/L
Expiration Date	6 months
Description	PHOSPHOGLUCOMUTASE (E.C. 5.4.2.2) is an enzyme which catalyzes the interconversion of glucose-1-phosphate (G1P) and glucose-6-phosphate (G6P). Phosphoglucomutase (PGM) plays a crucial role in glycogen synthesis and degradation. PGM 1 deficiency can cause a rare congenital disorder of glycosylation. A decrease in PGM activity has also been linked with oxidative stress. In BioAssay Systems' EPGM-100 assay, PGM converts G1P to G6P, which is then oxidized by glucose-6-phosphate dehydrogenase. The formed NADPH is coupled to a formazan chromogen. The increase in absorbance at 460 nm is directly proportional to phosphoglucomutase activity.
Storage	Storage: -20°C upon receipt.