

Beta-Phosphoglucomutase (β-PGM) from E. coli

Product Information

Cat#	DIA-432
Source	E. coli
Form	Freeze dried powder
Activity	≥ 30 U/mg
Unit Definition	One unit (U) is defined as the amount of enzyme which produces 1 μmol of β-D-glucose-1-phosphate to β-D-glucose-6-phosphate per min at 37 °C and pH 7.0 under the conditions described below.
Storage	Below –20 °C
Enzyme Commission Number	EC 5.4.2.6
pH Stability	5.0–9.5
Michaelis Constant	2.3×10^{-4} M (β-D-glucose-1-phosphate)
Optimum pH	ca. 7.0
Optimum temperature	40 °C
Thermal stability	Below 45 °C
Inhibitors	Hg ²⁺ , Zn ²⁺ , Cu ²⁺ , Cd ²⁺
Applications	For the determination of α-amylase and inorganic phosphate in clinical analysis.
Appearance	White lyophilizate
Molecular Weight	ca. 34 kDa (Gel filtration)
Notes	Expiration date: Liquid: stable at 37 °C for at least one week Powder: stable at 30 °C for at least four weeks