

Glucose Dehydrogenase (BsGDH)

Product Information

Cat#	DIA-729
Descriptions	Glucose dehydrogenase (BsGDH) sourced from Bacillus subtilis catalyzes NAD (P)+-dependent oxidation of D-glucose to D-glucono-1,5-lactone, exhibits high catalytic efficiency and thermal stability, and serves as a standard tool enzyme for biochemical detection and NAD (P)H regeneration.
Applications	Glucose dehydrogenase (BsGDH) serves as a core raw material for glucose detection kits and biochemical assay coenzyme regeneration reagent development.
CAS No.	111-1-47
Enzyme Commission Number	EC 1.1.1.47
Enzyme Source	E.coli recombinant Glucose dehydrogenase from Bacillus subtilis.
Reaction	D-glucose+NAD = D-Glucuronic acid+NADH
Activity Definition	One unit is defined as the amount of enzyme that consume 1Mumol NADP+ to form D-Glucuronic acid and NADH per min at 37°C.