



Native Glucose Dehydrogenase (GDH) from Microorganism

Product Information

Cat#	BDE-038
Description	Glucose Dehydrogenase (GDH) relies on a coenzyme to oxidize glucose and is widely used in the core detection processes of blood glucose meters and continuous glucose monitoring systems.
Applications	Used in blood glucose meter test strips and continuous glucose monitoring systems, supporting glucose measurement across various coenzyme systems.
CAS No.	81669-60-5
Enzyme Commission Number	EC 1.1.5.9
Form	Yellow amorphous lyophilized powder
Source	Microorganism
Activity	≥ 450 U/mg
Molecular Weight	72-135 kDa (SDS-PAGE)
Purity	≥ 90%
Optimum pH	7.0
Optimum temperature	45-60°C
pH Stability	3.0-10.5 (25°C, 16 h)
Thermal Stability	< 50°C (pH 6.0, 30 min)
Isoelectric Point	5.33
Km Value	2.8×10 ⁻² M (D-glucose)
Inhibitors	Ag ⁺ , Zn ²⁺
Storage	Store at -25°C to -15°C.