

Glucose Oxidase from Microorganism

Product Information

Cat#	DIA-425
Source	Microorganism
Form	Freeze dried powder
Activity	≥ 100 U/mg solid (glucose, 25 °C)
Isoelectric point	4.3
Storage	-25 °C to -15 °C
Enzyme Commission Number	EC 1.1.3.4
Purity	≥ 90.0% (SDS-PAGE)
pH Stability	pH 4.0–9.0 (25 °C, 20 h)
Michaelis Constant	3.6×10^{-5} mM
Optimum pH	7.0
Optimum temperature	30 °C
Thermal stability	Below 40 °C (pH 7.0, 10 min)
Inhibitors	Ag ⁺ , Hg ²⁺ , Cu ²⁺ , 4-chloromercuribenzoate
Applications	Mainly for the enzymatic determination of glucose in clinical analysis and for the preparation of glucose test strips.
Appearance	Yellowish amorphous lyophilizate
Molecular Weight	79 kDa (SDS-PAGE)
Package	100/500/1000 KU