



Diagnostic Hexokinase

Product Information

Cat#	TRA-001
Description	Hexokinase, derived from yeast or microorganisms, catalyzes glucose phosphorylation and serves as the core enzyme in blood glucose diagnostic kits (such as the GOD-POD method).
Applications	For serum glucose and creatine kinase (CK) testing
CAS No.	9001-51-8
Enzyme Commission Number	EC 2.7.1.1
Synonyms	HK
Form	White amorphous powder
Source	Microorganism
Activity	≥ 500 U/mg
Unit Definition	One unit will convert 1 μmol of D-Glucose to D-Glucose-6- phosphate per minute at pH 8.0 at 30°C.
Molecular Weight	55 kDa (SDS-PAGE)
Optimum pH	9.0
Optimum temperature	50-55°C
pH Stability	5.0-7.5 (25°C, 17 h)
Thermal Stability	< 40°C (pH 8.0, 30 min)
Isoelectric Point	5.5
Km Value	2.9×10 ⁻³ M (Glucose), 1.5×10 ⁻³ M (ATP)
Inhibitors	Co ²⁺ , Cu ²⁺ , Fe ³⁺ , Mn ²⁺ , Ni ²⁺ , Zn ²⁺ , NEM, Proclin, SDS



Creative Enzymes

Diagnostic Enzymes

Diagnostic Hexokinase

Storage

-20°C

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