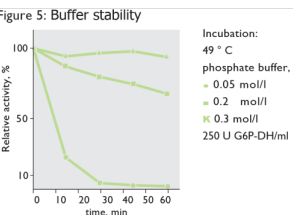
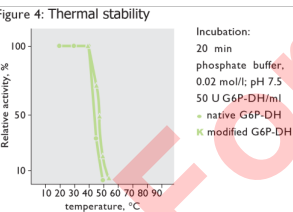
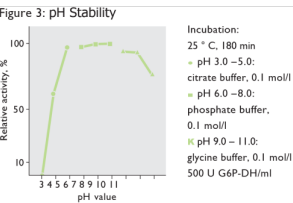
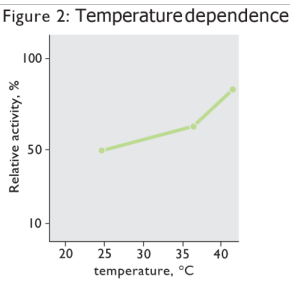
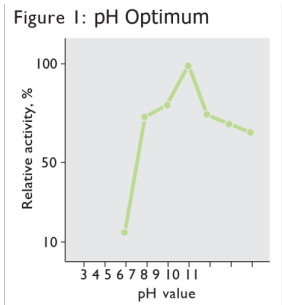


Glucose-6-Phosphate Dehydrogenase (G6PD) Enzyme (Active)

Catalogue No.:abx060304



Datasheet

Version: 5.0.0
Revision date: 03 Jun 2025



Glucose-6-Phosphate Dehydrogenase (G6PD) enzyme is a recombinant *Leuconostoc mesenteroides* enzyme .

Target:	Glucose Dehydrogenase
Origin:	Bacteria
Expression:	Recombinant
Host:	<i>E. coli</i>
Form:	Lyophilized
Purity:	Contaminants (expressed as percentage of G6P-DH activity): ATPase < 0.02 CK < 0.001 GIDH < 0.01 Glucose < 0.001 GR < 0.05 HK and glucose DH < 0.001 Myokinase < 0.02 NADH oxidase < 0.0005 NADPH oxidase < 0.001 6-PGDH (NAD or NADP) < 0.01 PGI < 0.001
Storage:	Store dry at 4 °C.
Validity:	12 months.
Enzyme Commission Number:	EC 1.1.1.49
Buffer:	Prior to lyophilization: pH 6.5-7.5
CAS Number:	9001-40-5
Activity:	Active
Biological Activity:	≥ 600 U/mg solid at 25 °C ≥ 750 U/mg solid at 30 °C ≥ 1000 U/mg solid at 37 °C Specific activity: ≥ 800 U/mg protein 1 unit (U) reduces 1 μmol of NADP ⁺ per minute at 25 °C, pH 6.5-7.5.
Specificity:	Specific for glucose-6-phosphate. Does not react with fructose-6-phosphate, fructose-1,6,-bisphosphate or glucose-1-phosphate. 2-deoxyglucose-6-phosphate is slowly oxidised with NAD (5%) and with NADP (4%).

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Note:

THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only