

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

Glucose Dehydrogenase Protein

Catalogue No.: abx060304

Figure 1: pH Optimum

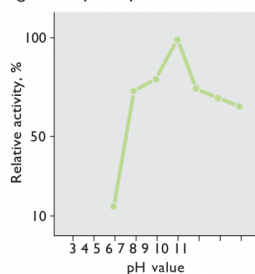


Figure 2: Temperature dependence

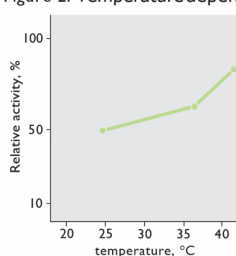


Figure 3: pH Stability

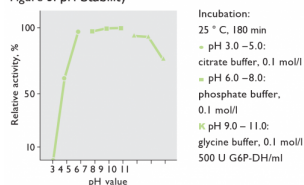


Figure 4: Thermal stability

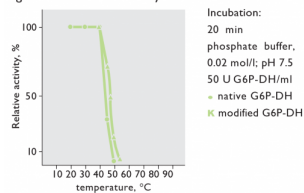
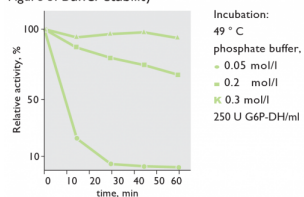


Figure 5: Buffer stability



Glucose Dehydrogenase Protein is a recombinant protein produced in *E. coli*.

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Target:	Glucose Dehydrogenase
Origin:	E. coli
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
Form:	Lyophilized (White/Light Yellow powder)
Specificity:	The enzyme is highly specific for glucose-6-phosphate and does not react with fructose-6-P, fructose-1,6-P2 or glucose-1P. 2-Deoxyglucose-6-P is slowly oxidized with NAD (5%) and with NADP (4%).
Storage:	Store dry at 4°C for 12 months.
Expression:	Recombinant
Enzyme Commission Number:	EC 1.1.1.49
Activity:	Activity 200U/mg Activity (25°C, NADP), No limit.
Note:	This product is for research use only.