

There is a possibility of changing the 'Code' and/or 'Lot No.'

'Protein conc.' and 'Activity' might vary between lots.

Data sheet

Enzyme ; **Glucose-6-phosphate dehydrogenase**

Code ; GLD-75-01

Lot No. ; 1-H001B

Protein conc. ; 1.5 mg/ml

Volume ; 1 ml

Form ; 20 mM Tris-HCl (pH 8.0), 0.4 M NaCl, 1 mM DTT

Storage ; -20 °C

Activity ; 22.2 U/ml (at 65 °C)

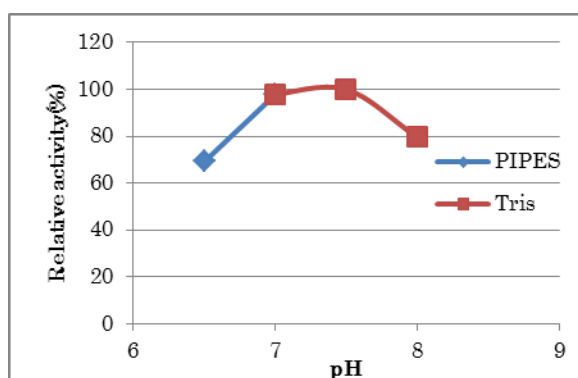
Notes ; For research use only.

To prevent the enzyme from being precipitated, use in a solution containing higher than 0.3 M NaCl.

Activity measurement

Reaction mix (50 mM Tris-HCl (pH 7.5 at 65 °C), 2 mM Glucose-6-phosphate, 1 mM NADP⁺, 0.3 M NaCl and appropriate amount of the enzyme) was incubated at 65 °C and A₃₄₀ was monitored. One unit is defined as the amount of enzyme reducing 1 μmol of NADP⁺ per minute using $\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$.

pH profile



Temperature profile

