

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

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

Data sheet

Enzyme ; **Glycerol dehydrogenase HI1**

Code ; GDH- 75-01

Lot No. ; 1-S201A

Protein conc. ; 22 mg/ml

Volume ; 0.5 ml

Form ; 50 mM Tris-HCl (pH 8.0)

Storage ; -20 °C

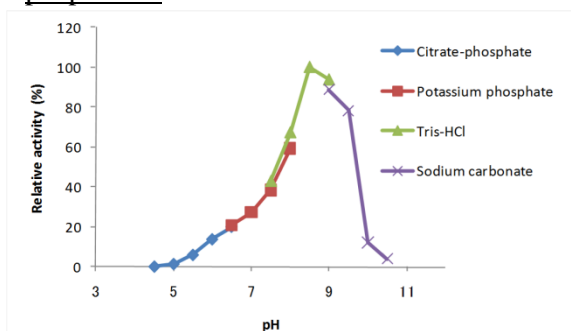
Activity ; 34.7 U/ml

Notes ; For research use only.

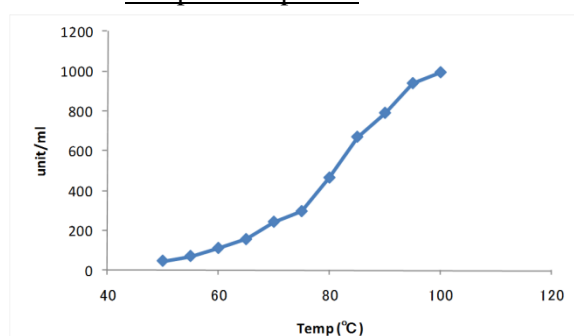
Activity measurement

Reaction mix (50 mM Tris-HCl (pH 8.5 @ 25 °C), 20 mM Glycerol, 1 mM NAD⁺, 1 mM Ammonium sulfate and appropriate amount of the enzyme) was incubated at 37 °C and A₃₄₀ was monitored. One unit is defined as the amount of the enzyme producing 1 μmol of NADH ($\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$) per 1 minute using Glycerol as a substrate.

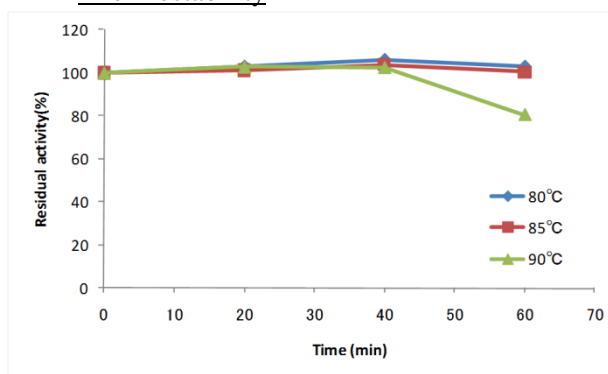
pH profile



Temperature profile



Thermostability



Substrate specificity

