

There is a possibility of changing the 'Code' and/or 'Lot No.'
 'Protein conc.' and 'Activity' might vary between lots.

Data sheet

Enzyme	;	Pyruvate decarboxylase YK1
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Code ; PDC-22-01

Lot No. ; 1-H201A

Protein conc. ; 10 mg/ml

Volume ; 1 ml

Form ; 20 mM Tris-HCl (pH 7.5), 20 mM KCl

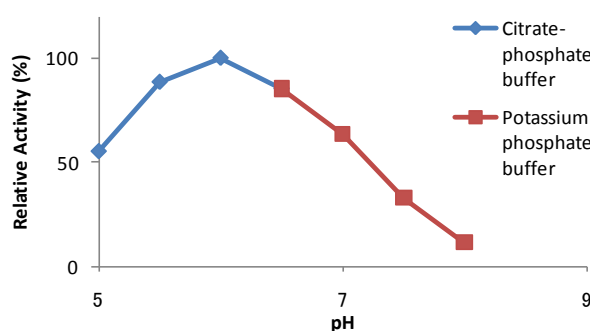
Storage ; -20 °C

Activity ; 126 U/ml

Notes ; For research use only

Activity measurement

Reaction mix (20 mM Potassium phosphate buffer (pH 7.0), 5 mM Pyruvate, 0.3 mM NADH, 5 mM MgCl₂, 0.1 mM TPP, 20 U/ml Alcohol dehydrogenase and appropriate amount of the enzyme) was incubated at 50 °C and A₃₄₀ was monitored. One unit is defined as the amount of the enzyme oxidizing 1 μmol of NADH ($\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$) per 1 minute using Pyruvate as a substrate.

pH profileThermostability