

We offer various packaging (protein concentration, activity, etc.) if necessary.

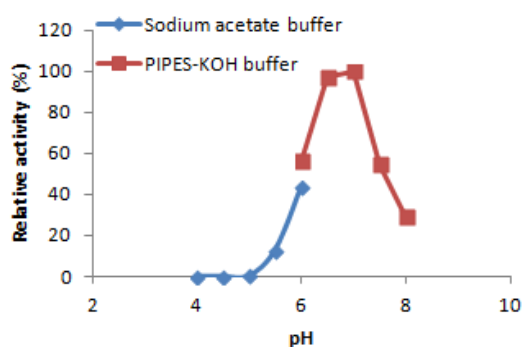
Data sheet

Enzyme	;	Pyruvate oxidase
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Code	;	POX-87-01
Lot No.	;	1-I301
Protein conc.	;	mg/ml
Volume	;	ml
Form	;	20 mM Potassium phosphate buffer (pH 6.0)
Storage	;	-20°C <i>*Avoid repeated freeze and thaw cycles.</i>
Activity	;	U/ml
Notes	;	For research use only

Activity measurement

Reaction mix (50 mM PIPES-KOH (pH 6.5), 100 mM Pyruvate, 1.5 U/ml Peroxidase, 0.03% 4-Aminoantipyrine, 0.03% TOOS, 0.1 mM TPP, 1 mM Potassium phosphate, 0.001 mM FAD, 10 mM MgCl₂ and appropriate amount of the enzyme) was incubated at 37 °C and A₅₅₀ was monitored. One unit is defined as the amount of the enzyme producing 1 μmol of H₂O₂ per 1 minute using Pyruvate as a substrate with an extinction coefficient of Quinonemine (ϵ_{550} =36.88 mM⁻¹ cm⁻¹).

pH profile

Thermostability

