

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

Data sheet

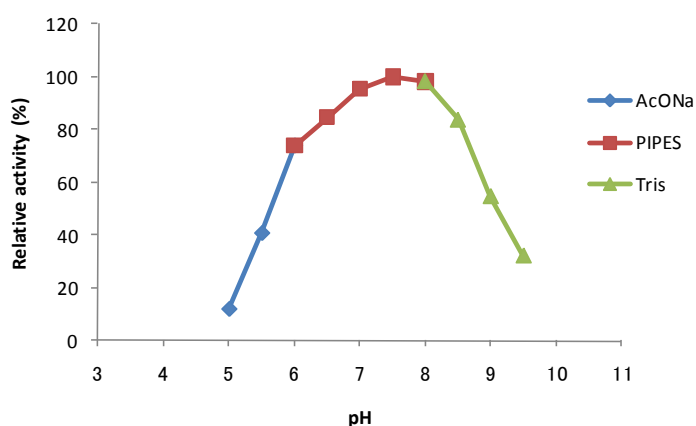
Enzyme	;	Alditol oxidase
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Code	;	ALO-35-01
Lot #	;	1-I101T
Protein conc. ;		mg/ml
Volume	;	ml
Form	;	20 mM Tris-HCl (pH 8.0)
Storage	;	-20°C
Activity	;	U/ml (@37°C, pH 7.5)
Notes	;	For research use only.

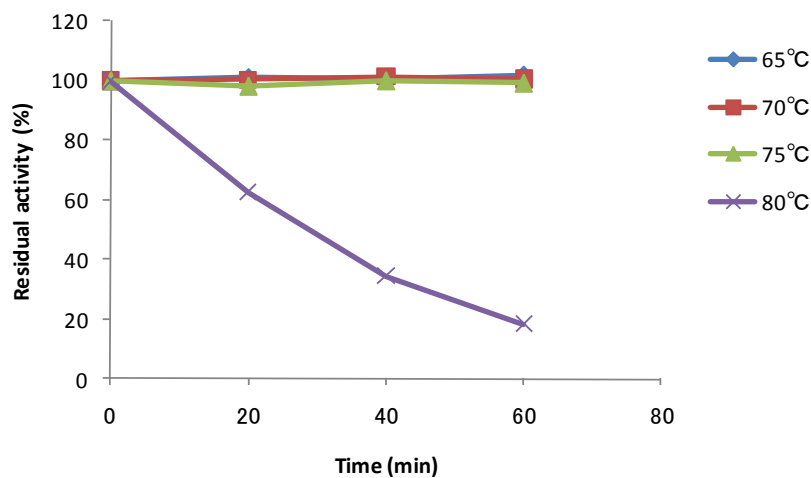
● **Activity measurement** :

Reaction mix (50 mM PIPES-KOH (pH 7.5), 61 µg/ml Aminoantipyrine, 0.322 mg/ml TOOS, 3 U/ml Peroxidase, 5 mM Sorbitol and appropriate amount of the enzyme) was incubated at 37 °C and A₅₅₅ was monitored. One unit is defined as the amount of the enzyme producing 1 µmol of H₂O₂ (using ε₅₅₅=39.2 mM⁻¹ cm⁻¹ for Quinoneimine) per 1 minute using Sorbitol as a substrate.

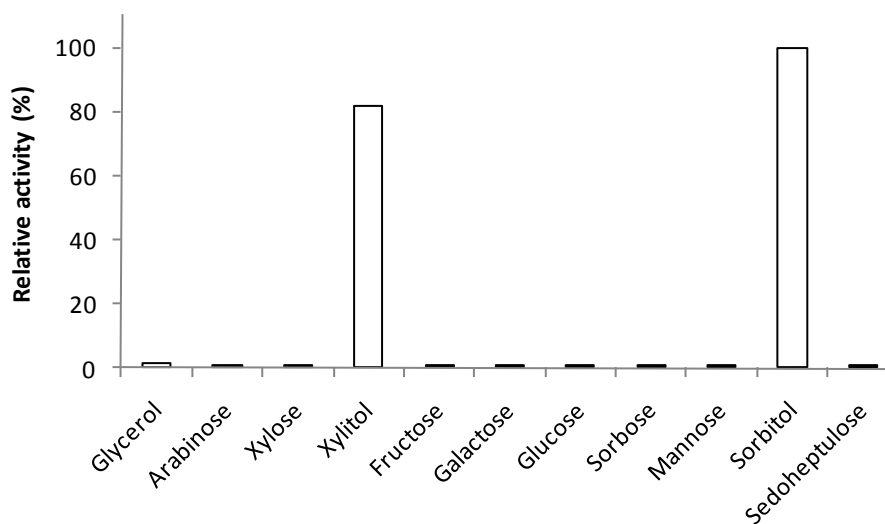
◆ Optimum pH



◆ Thermostability



◆ Substrate specificity



Kinetic parameters

K_m for Sorbitol = 0.6 mM

K_m for Xylitol = 0.06 mM

◆ Freeze-Thaw Test

