

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

Data sheet

Enzyme	;	Xylose isomerase A
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Code	;	XYI-75-01
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Lot No.	;	1-S001
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Protein conc.;	10 mg/ml
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Volume	;	10 ml
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Form	;	20 mM Tris-HCl (pH 8.0)
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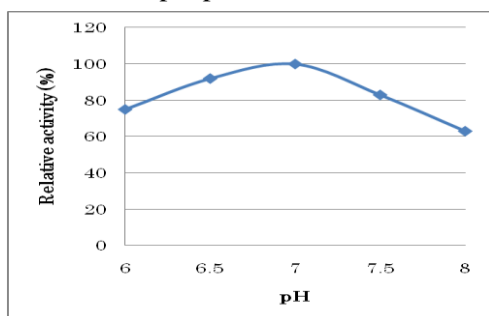
Storage	;	-20°C
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Activity	;	150 U/ml
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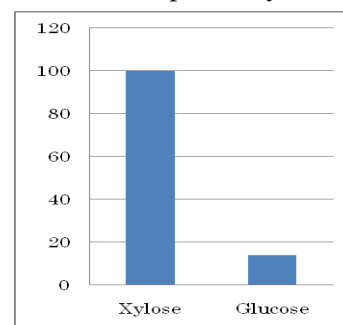
Notes	;	For research use only
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Activity measurement . . . The enzyme solution was mixed with the pre-warmed substrate solution (5 mM xylose, 50 mM PIPES-KOH, pH 7.0, 1 mM CoCl₂). After incubation at 85 °C for 5 min, the produced xylulose was measured by the Cysteine-carbazole method. One unit is defined as the amount of enzyme producing 1 μmol of xylulose per 1 minute.

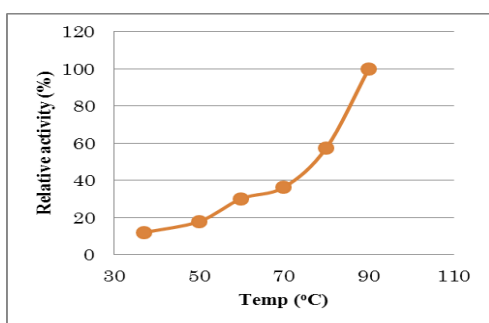
pH profile



Substrate specificity



Temperature profile



Thermostability

