

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

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

Data sheet

Thermostable Enzyme Laboratory

Enzyme	;	Laccase YK1
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Code	;	LAC-27-01
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Lot No	;	1-S001
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Protein conc.	;	mg/ml
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Volume	;	2 ml
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Form	;	20 mM Tris-HCl (pH 8.0), 1 mM CuSO ₄ , 1 mM CaCl ₂
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Storage	;	-20 °C *Avoid freeze and thaw.
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Activity	;	100 U/ml (at 85°C)
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Notes	;	For research use only
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Activity measurement; Substrate solution (10 mM ABTS (2,2'-azinobis-(3-ethylbenzothiazoline-6-sulfonate)), 100 mM AcONa (pH 4.0), 1 mM CuSO₄) was preincubated for 3 min at 85 °C, and then enzyme was added. A₄₀₅ was monitored. $\epsilon_{405}=36.8 \text{ mM}^{-1}\text{cm}^{-1}$. One unit is defined as the amount of enzyme oxidizing 1 μmol of ABTS per min.

Enzyme data

