

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	;	<b>Laccase YK1</b>
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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 <sub>4</sub> , 1 mM CaCl <sub>2</sub>
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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 CuSO<sub>4</sub> ) was preincubated for 3 min at 85 °C, and then enzyme was added. A<sub>405</sub> was monitored.  $\epsilon_{405}=36.8 \text{ mM}^{-1}\text{cm}^{-1}$ . One unit is defined as the amount of enzyme oxidizing 1  $\mu\text{mol}$  of ABTS per min.

## Enzyme data

