

## Enzyme Data

<b>BCC-Nr.</b>	<b>100</b>
<b>Enzyme</b>	<b>Alcohol Dehydrogenase – R1</b>
EC-No.	1.1.1.2
T <sub>opt</sub>	30 °C
pH <sub>opt</sub>	7.5
Stability	Stable at -20 °C
KM (mM)	0.99 Acetophenon, 0.44 4-Chloracetophenon, 0.24 NADP <sup>+</sup> , 0.15 NADPH
Activity and substrate specificity	Very broad substrate specificity: aliphatic, cyclic and aromatic ketones, diketones and keto acid esters
Application	Synthesis of enantiomerically pure alcohols with R-configuration
Commentary	Enzymatic catalysis in organic solvents, very stable
Formulation	In glycerol or lyophilized