

## Enzyme Data

<b>BCC-Nr.</b>	<b>103</b>
<b>Enzyme</b>	<b>Alcohol Dehydrogenase – S3</b>
EC-No.	1.1.1.1
T <sub>opt</sub>	30 °C
pH <sub>opt</sub>	6.5
Stability	Stable at -20 °C
KM (mM)	0.35 p-Cl-(S)-phenylethanol, 0.5 p-Cl-acetophenone
Activity and substrate specificity	Very broad aliphatic, cyclic and aromatic ketones, diketones and keto acid esters, ketones with bulky side chains such as acetophenone, ring-halogenated acetophenones or pinacolone
Application	Synthesis of enantiomerically pure alcohols with S-configuration
Commentary	Enzymatic catalysis in organic solvents, very stable. Medium-chain alcohol dehydrogenase
Formulation	In glycerol or lyophilized