

Please fill in the appropriate data as far as possible. The data in the green shaded fields will be visible for customers on the BCC homepage, all other data are for internal use only.

## DEPOSITION OF STRAINS

### I.) General enzyme data

<b>Enzyme</b>	
<b>EC no.</b>	
<b>References</b> (add pdf if possible)	
<b>No. of amino acids</b>	
<b>Molecular mass [kDa]</b>	
<b>Description of enzyme assay(s)</b> on which the following data are based (references)	
<b>pH range<sup>1</sup>; optimum</b>	
<b>Temperature range<sup>1</sup>; optimum [°C]</b>	
<b>Substrate spectrum</b> (please name all substrates that can be converted)	
<b>Specific activities [U/ mg]</b> (give respective substrates in brackets)	
<b>Inhibitors</b>	
<b>Activators / Cofactors</b> (concentration and effects)	

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<p><b>Stability</b></p> <ul style="list-style-type: none"> <li>- Temperature stability (give half life time at different temperatures)</li> <li>- pH stability (give half life time at different pH values)</li> <li>- Organic solvent stability (give half life time at different temp.)</li> <li>- Storage (give half life time at different storage conditions e.g. at 4, -20, -80°C)</li> </ul>	
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<sup>1</sup> The range is defined as the temperature and pH values at which the enzyme displays  $\geq 20\%$  of the maximum activity. If only a part of this range was determined use the symbols "<" and ">" to indicate that at the give value activity was above 20% of the maximum activity.

## II.) Vector and insert data

<b>Vector name, company</b> (provide reference if available)	
<b>Plasmid size</b> (including insert) [bp]	
<b>Insert size</b> [bp]	
<b>Accession number</b>	
<b>Cloned at restriction sites</b>	
<b>Resistance(s)</b>	
<b>Promotor</b> (name, inductors, repressors)	
<b>Donor organism</b> (Name, DSMZ number (references))	

### III.) Enzyme preparation data

<b>Host strain</b>	
<b>Reference(s) / provider</b>	
<b>Antibiotic resistances (host)</b>	
<b>Cultivation conditions</b> - medium (please give composition for special media) - antibiotics (type and conc.) - inductor (type and conc.) - induction at a ODxnm of - harvesting (final OD or time after induction, respectively) - description of lysis method - fermentation possible?	
<b>Enzyme yield</b> - localisation of the enzyme (cytoplasm, periplasm, supernatant) - activity in the crude extract/ supernatant [U/mg protein or U/ml culture]	
<b>Ingredients of the enzyme preparation</b> (buffer, stabilizer etc.)	
<b>Heat precipitation possible?</b> (if yes, give temperature and time)	
<b><u>optional:</u> purification strategy</b>	