

Enzyme Data

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| BCC-Nr. | 098 |
| Enzyme | D-Glucose Dehydrogenase-A |
| EC-No. | 1.1.1.47 |
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| T _{opt} | 37 °C |
| pH _{opt} | 8.0 |
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| Stability | Stable at -20 °C |
| KM (mM) | 4.6 β-D-glucose, 1.0 NADP ⁺ |
| Activity and substrate specificity | D-glucose, D-xylanose |
| Application | Diagnostics and cofactor regeneration of NAD(P)H in reductive processes |
| Commentary | Mutant: very stable, proceeds by two distinct phases, 50% inactivation at the rapid first phase, 50% at low second phase |
| Formulation | In glycerol or lyophilized |