

Enzyme Data

BCC-Nr.	097
Enzyme	Formate Dehydrogenase
EC-No.	1.2.1.2
T _{opt}	30 °C
pH _{opt}	7.5-8.5
Stability	Stable at -20 °C
KM (mM)	13 Formate at 30 °C, 0.09 NAD ⁺ at 30 °C and pH 7.5
Activity and substrate specificity	Formate
Application	Cofactor regeneration of NADH in reductive processes
Commentary	Reverse reaction is 1/5000 of Dehydrogenase activity. Azide, Cu ²⁺ , Hg ²⁺ , NO ₂ ⁻ , NO ₃ ⁻ , OCN ⁻ , p-chloromercuribenzoate, SCN ⁻
Formulation	In glycerol or lyophilized