

Product:	MALATE DEHYDROGENASE
Product code:	MDHP3F
E.C. number:	1.1.1.37
CAS number:	9001-64-3
EINECS number:	232-622-5
Systematic name:	(S)-Malate:NAD ⁺ oxidoreductase
Alternative name:	Malic hydrolase
Source:	Porcine heart
Form:	A freeze-dried material
Storage conditions:	Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below.
Unit definition:	That amount of enzyme causing the oxidation of one micromole of NADH per minute at 25°C and pH 7.4.
Specific activity:	Not less than 1250U/mg enzyme protein
Solubility:	Dissolves readily at 5mg/ml in 0.1M Potassium phosphate buffer, pH 7.4 to give a clear solution.
Contaminants:	CK: less than 0.001% GPT: less than 0.0025% LDH: less than 0.001% GLDH: less than 0.0025% Fumerase: less than 0.001% GOT: less than 0.0025%