

Malate(Malic) Dehydrogenase / MDH Recombinant Chicken

Catalog No.	CRM009A	Quantity:	1000 IU
	CRM009B		5000 IU
	CRM009C		50000 IU

Description: The DNA encoding Malate(Malic) Dehydrogenase is cloned from cDNA library of chicken heart.

Malate Dehydrogenase is an enzyme that catalyzes the conversion of (S)-malate and NAD⁺ to oxaloacetate and NADH.

Source: *E. coli*

Formulation: Sterile Filtered White lyophilized (freeze-dried) powder. Malate(Malic) Dehydrogenase lyophilized from a sterile solution at a concentration of 1 mg/ml with 0.5 mg/ml potassium phosphate.

Purity: Greater than 95.0% as determined by: Analysis by RP-HPLC, anion-exchange FPLC, and analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

Reconstitution: It is recommended to reconstitute the lyophilized Malate Dehydrogenase in sterile, distilled H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Storage & Stability: Lyophilized MDH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Recombinant MDH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

