



Native 3-Hydroxybutyrate Dehydrogenase (DAG-WT1264)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	One unit is defined as the amount of enzyme which converts 1 μ mole of 3-Hydroxybutylate to acetoacetate per minute at 37°C under the conditions specified in the assay procedure.
Conjugate	N/A
Applications	Enzymatic determination
Molecular Weight	30 kDa
Format	Lyophilized
Size	1 KU
Buffer	Enzyme dilution buffer
Storage	Store at -20°C

BACKGROUND

Introduction	3-hydroxybutyrate dehydrogenase has a classification number of EC 1.1.1.30. The first digit means that this enzyme is an oxidoreductase which means the purpose is to catalyze oxidation and reduction reaction pathways. The following two 1s indicate the subclass and sub-sub of the enzyme. In this case, 1.1.1 means this enzyme is an oxidoreductase that acts on the CH-OH group of the donor molecule using NAD(+) or NADP(+) as the acceptor.[2] The 4th number, or 30 in this case, is the serial number of the enzyme to define it within its sub-subclass.
Keywords	3-Hydroxybutyrate Dehydrogenase; BHBBDH