



Native Alcohol Oxidase (DAG-WT1270)

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 generates 1 μ mole of H ₂ O ₂ and formaldehyde from methanol per minute at 37°C under the conditions specified in the assay procedure
Conjugate	N/A
Applications	Enzymatic determination
Molecular Weight	75 kDa
Format	Lyophilized
Size	1 KU
Buffer	Enzyme dilution buffer
Storage	Store at -20°C

BACKGROUND

Introduction	Alcohol oxidases catalyzes the oxidation of primary alcohols to their corresponding aldehydes. Unlike alcohol dehydrogenases, they are unable to catalyze the reverse reaction. This is reflected in their cofactor as well—unlike alcohol dehydrogenases, which use NAD ⁺ , alcohol oxidases use FAD. SCAO is capable of oxidizing alcohols with up to 8 carbons, but their primary substrates are methanol and ethanol.
Keywords	Alcohol Oxidase; AO