



Creative Enzymes

Diagnostic Enzymes

Cholesterol Dehydrogenase from *Nocardia* sp.

Product Information

Cat#	NATE-0892
Similar	Cholesterol Dehydrogenase
Source	<i>Nocardia</i> sp.
Description	Cholesterol dehydrogenase is an enzyme that uses nicotinamide adenine dinucleotide/nicotinamide adenine dinucleotide phosphate (NAD(P)) as its cofactor in oxidizing cholesterol to form cholest-4-en-3-one. This enzyme oxidizes the hydroxyl group at the 3 position of the sterol ring to form a ketone.
Form	Freeze dried powder
Activity	10U/mg-solid or more
CAS No.	67775-34-2
Isoelectric point	4.5
Unit Definition	One unit produces 1.0 μ mole of cholesten-4-en-3-one per minute at pH 8.5 at 25 °C.
Activators	Triton X-100
Storage	at -20°C
Preparation Instructions	For the activity assay, the enzyme is dissolved in 0.02 M phosphate buffer with 2.5% TRITON X-100.
Synonyms	Cholesterol Dehydrogenase; CDH