

## Cholesterol Dehydrogenase from *Nocardia* sp.

### Product Information

<b>Cat#</b>	NATE-0892
<b>Similar</b>	Cholesterol Dehydrogenase
<b>Source</b>	<i>Nocardia</i> sp.
<b>Description</b>	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.
<b>Form</b>	Freeze dried powder
<b>Activity</b>	10U/mg-solid or more
<b>CAS No.</b>	67775-34-2
<b>Isoelectric point</b>	4.5
<b>Unit Definition</b>	One unit produces 1.0 $\mu$ mole of cholesten-4-en-3-one per minute at pH 8.5 at 25 °C.
<b>Activators</b>	Triton X-100
<b>Storage</b>	at -20°C
<b>Preparation Instructions</b>	For the activity assay, the enzyme is dissolved in 0.02 M phosphate buffer with 2.5% TRITON X-100.
<b>Synonyms</b>	Cholesterol Dehydrogenase; CDH