Creative Enzymes
Diagnostic Enzymes

# Cholesterol Dehydrogenase from Nocardia sp.

## Product Information

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|---|---|
| **Cat#** | NATE-0892 |
| **Similar** | Cholesterol Dehydrogenase |
| **Source** | Nocardia 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 μmole 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 |

Tel: 1-631-562-8517 1-516-512-3133
Email:info@creative-enzymes.com
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY11967, USA