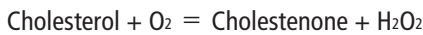


from *Nocardia* sp.

### Reaction Equation



### Specification

#### Specific Activity

U/mg protein > 20 units

#### Contaminants

Glucose oxidase < 0.01%

Catalase < 1.00%

Uricase < 0.01%

### Assay Procedure

#### I Spectrophotometric Method

Wavelength : 240 nm, Light path length : 1 cm

Temperature : 37°C

Pipette the following reagents into a cuvette

2.95 mL	Potassium phosphate buffer (0.1 mol/L, pH 7.0) containing Triton X-100 (0.05 w/v%)
0.05 mL	Cholesterol (6 mmol/L) dissolved in Isopropanol
0.10 mL	rCO (approx. 0.5 U/mL)

#### II Calculation

$$\frac{\Delta A/\text{min} \cdot V \cdot D}{12.3 \cdot d \cdot v} = \text{U/mL}$$

$\Delta A/\text{min}$  = The change in absorbance at 240 nm/minute

V = Total volume of reaction mixture (3.10 mL)

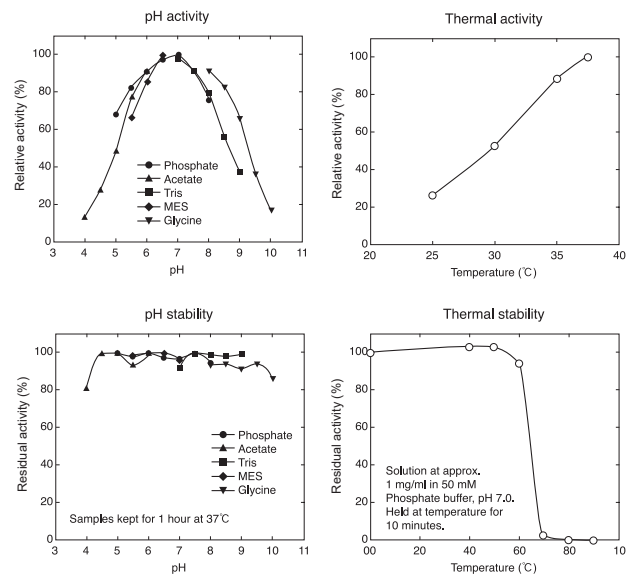
D = Enzyme dilution factor

12.3 = mmol/L extinction coefficient of Cholestenone  
(L · mmol<sup>-1</sup> · cm<sup>-1</sup>)

d = Light path length (1 cm)

v = Volume of enzyme sample (0.10 mL)

### Reference Data



### Preparation and Storage

Lyophilized powder

Store below -20°C

### Cat. No./Package

Cat. No.	Package
46703003	100 units
46438003	1,000 units
46438903	Bulk