

E2060712P1 Cholesterol Esterase

Cholesterol linoleate $\xrightarrow{\text{cholesterol esterase}}$ Cholesterol + Linoleic acid

PRODUCT APPLICATION

Cholesterol esterase has been successfully used in conjunction with Cholesterol oxidase for the determination of cholesterol in serum in clinical analysis both optically and electrochemically.

PRODUCT BENEFITS

Very good enzyme stability and activity.

STABILITY DATA

Stability study in dry state on microtitre plate format at 37°C and 15% humidity using AET stabiliser formulation.

Enzyme stable for:

180 days at +37°C,
266 days at +25°C,
1 year at -20°C

STABILISER INFORMATION

This enzyme has been stabilised using our Q2090625D10 stabiliser solution. The solution is delivered in double strength to be added to the unstabilised enzyme E2041122P5 in buffer.

For more information on our range of stabiliser solutions please contact our sales representative.

PHYSICAL PROPERTIES

Cholesterol Esterase	EC:3.1.1.13
Source	<i>Recombinant Escherichia Coli</i>
Appearance	Dry orange powder
Form supplied	Dry stabilised powder
Activity	> 4 units per mg material
Quality Control	Activity determined by spectrophotometric assay
Storage	Storage at -20°C

Unit Definition	One unit is defined as the amount of enzyme which produces one micromole of hydrogen peroxide at 37°C.
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SAFETY AND HANDLING

Read the Material Safety Data Sheets (MSDS) and product labels before using the products.

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