

DIAGNOSTIC ENZYMES

CHOLESTEROL ESTERASE—COE-313
FROM MICROORGANISM (EC 3.1.1.13)**SPECIFICATIONS**

Product name:	Steryl-ester Acylhydrolase
Appearance	Light brown amorphous powder lyophilized
Activity	Grade III 5.0U/mg-solid or more
Contaminant	Catalase $\leq 1.0 \times 10^{-2}\%$
Stabilizers	Mg ²⁺ bovine serum albumin
Stability	Store at -20°C
Michaelis constants	5.7×10^{-5} M (Linoleate) , 7.2×10^{-5} M (oleate)
Inhibitors	Hg ²⁺ , Cu ²⁺
Optimum pH	6.0
Optimum temperature	40°C
pH Stability	pH 5.5—10.0 (25°C, 20hr)
Thermal stability	below 40°C (pH 7.0, 15min)

CONTACTS

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APPLICATIONS

This enzyme is used for enzymatic determination of total cholesterol when coupled with cholesterol oxidase (COO-311, COO-321) in clinical analysis