

Certificate of Analysis

PRODUCT:	Cholesterol Esterase CAS# [9026-00-0]
PRODUCT NUMBER:	C-2859
LOT NUMBER:	K1426A (Same as Mother Lot# K1426)
APPEARANCE:	Off yellow
ACTIVITY:	1,660 u/gm dw
SPECIFIC ROTATION:	1.57 A280 @ 1 mg/ml
PROTEASE:	9.3 ug / unit
DESCRIPTION:	<p>Cholesterol esterase catalyzes the hydrolysis of sterol esters into their component sterols and fatty acids. The enzyme is found primarily in the pancreas but has been detected in other tissues as well. Bile salts, such as cholate and its conjugates, are required to stabilize the enzyme in its native polymeric form and to protect it from proteolytic hydrolysis in the intestine. It is used for determination of cholesterol in serum and plasma, with cholesterol oxidase or peroxidase and synthesis of optically active alcohols and carboxylic acids. Its activators are Bile salts, Cholate, Glycocholate, Taurocholate and inhibitors are PMSF and p-chloromercuribenzoate, Diisopropyl fluorophosphate, Hg²⁺, Ag⁺, and ionic detergents, Aryl carbamates.</p>
STORAGE & HANDLING:	<p>Store desiccated at -20°C.</p> <p>CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.</p>

Verified: KLS