Creative Enzymes®

Native Bacillus cereus Phospholipase C

Cat. No. DIA-163

Lot. No. (See product label)

Introduction

Description	Phospholipase C is an enzyme with system name phosphatidylcholine cholinephosphohydrolase. This enzyme catalyses the following chemical reaction: a phosphatidylcholine + H2O↔ 1, 2-diacyl-sn-glycerol + phosphocholine. The bacterial enzyme is a zinc protein. It also acts on sphingomyelin and phosphatidylinositol.
Applications	Useful for enzymatic determination of lecithin
Synonyms	Phospholipase C; EC 3.1.4.3; lipophosphodiesterase I; Clostridium welchii alpha-toxin; Clostridium oedematiens beta-and gamma-toxins; lipophosphodiesterase C; phosphatidase C; heat-labile hemolysin; alpha-toxin

Product Information

Source	Bacillus cereus
Appearance	White to brownish powder
Form	Freeze dried powder
EC Number	EC 3.1.4.3
CAS No.	9001-86-9
Activity	> 30 U/mg
pH Stability	6.5-9.0
Optimum pH	7.0-9.0
Thermal stability	Stable at 60°C and below (pH 7.5, 10 mins)

Storage and Shipping Information

Storage	Store in tightly closed containers, desiccated, protected from light, at-20°C.