

## 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 + H<sub>2</sub>O ↔ 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.