

## Active Native Phospholipase C

Cat. No. PLC-30    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Native Phospholipase C (EC 3.1.4.3) was purified from <i>Bacillus cereus</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | <i>Bacillus cereus</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | <i>Bacillus cereus</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Phospholipase C (EC 3.1.4.3, lipophosphodiesterase I, <i>Clostridium welchii</i> alpha-toxin, <i>Clostridium oedematiens</i> beta- and gamma-toxins, lipophosphodiesterase C, phosphatidase C, heat-labile hemolysin, alpha-toxin) is an enzyme with system name phosphatidylcholine cholinephosphohydrolase. This enzyme catalyses the following chemical reaction: 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. |
| <b>Form</b>             | White to brownish lyophilized powder.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Bio-activity</b>     | ≥30 U/mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store in tightly closed containers, desiccated, protected from light, at -20°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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