

## Native Acetyl esterase from Microbial

Cat. No. NATE-1169

Lot. No. (See product label)

### Introduction

<b>Description</b>	Catalyzed reaction: Hydrolysis of acetyl esters. Known substrates: Acetylated xylan, ethyl acetate, cephalosporin C and derivatives.
<b>Applications</b>	Desacetylation of $\beta$ -lactam antibiotics; Broad range esterase; Desacethylation of other substates
<b>Synonyms</b>	Acetyl esterase (Lyophilized); Acetyl esterase; EC 3.1.1.72

### Product Information

<b>Source</b>	Microbial
<b>Form</b>	Lyophilized
<b>EC Number</b>	EC 3.1.1.72
<b>Activity</b>	> 50 U/mg of powder
<b>Optimum pH</b>	8
<b>Optimum temperature</b>	55 °C
<b>Inhibitors</b>	The enzyme is inhibited by divalent cations as Ca, Co, Cu, Fe, Mn, Zn
<b>Buffer</b>	K-phosphate buffer 40 mM pH6.5
<b>Unit Definition</b>	One Unit is defined as the amount of enzyme that catalyses the hydrolysis of 1 micromole of Ethyl acetate per minute at 25°C at pH 7.0

### Storage and Shipping Information

<b>Storage</b>	Store at -20°C
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