Creative Enzymes
Diagnostic Enzymes

Native Bacillus cereus Penicillinase

Product Information

Cat#	NATE-0542
Abbr	Penicillinase, Native (Bacillus cereus)
Similar	Penicillinase
Source	Bacillus cereus
Description	Penicillinase specifically catalyzes the hydrolysis of β-lactam ring of penicillin.
Applications	Used in the production of penicillin
Package	Bottomless glass bottle. Contents are inside inserted fused cone.
Enzyme Commission Number	EC 3.5.2.6
CAS No.	9073-60-3
Molecular Weight	Mr ~30 kDa
Unit Definition	One unit will hydrolyze 1.0 μmole of indicated substrate per min at pH 7.0 at 25°C. Sold as benzylpenicillin units. This International Unit (using benzylpenicillin as substrate) is approximately equal to 600 Levy or 75 Polleck units.
Storage	−20°C
Warnings	Used to destroy β-lactam antibiotics in body fluids or culture media. For the determination of penicillin; In the coupled enzyme assay for isopenicillin N synthetase; ELISA of estradiol; Penicillinase optodes
Synonyms	EC 3.5.2.6; β-lactamase; penicillinase; cephalosporinase; neutrapen; penicillin β-lactamase; exopenicillinase; ampicillinase; penicillin amido-β-lactamhydrolase; penicillinase I, II; β-lactamase I-III; β-lactamase A, B, C; β-lactamase AME I; cephalosporin-β-lactamase; 9073-60-3

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