



Creative Enzymes

Diagnostic Enzymes

High Purity Lyophilized Subtilisin A

Product Information

Cat#	DIA-537
Source	Bacillus licheniformis
Description	High purity protease (subtilisin A from Bacillus licheniformis) (powder) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Powder
CAS No.	9014-01-1
Activity	> 8 U/mg of protein (40 °C, pH 8.0 on casein)
Unit Definition	One unit will hydrolyse casein to produce colour equivalent to one μ mole (181 μ g) of tyrosine per minute at pH 7.0 at 40 °C.
Storage	Below -10 °C
Synonyms	Subtilisin; subtilisin A
Enzyme Commission Number	EC 3.4.21.62
Stability	> 1 year under recommended storage conditions
Optimum pH	7
Optimum temperature	60 °C
Molecular Weight	30250 Da
Specificity	Hydrolysis of proteins with broad specificity for peptide bonds, and a preference for a large uncharged residue in P2. Hydrolyses peptide amides.

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