

Protease Subtilisin A from *Bacillus licheniformis* (Powder)

Product Information

Cat#	DIA-537
Source	<i>Bacillus licheniformis</i>
Description	High purity protease (subtilisin A from <i>Bacillus licheniformis</i>) (powder) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Powder
ECNumber	3.4.21.62
Activity	> 8 U/mg of protein (40 °C, pH 8.0 on casein)
CAS No.	9014-01-1
Optimum pH	7
Optimum temperature	60 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	One unit will hydrolyse casein to produce colour equivalent to one µmole (181 µg) of tyrosine per minute at pH 7.0 at 40 °C.
Storage	Below -10 °C
Synonyms	Subtilisin; subtilisin A
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.