

Penicillinase

Product Information

Cat#	DIA-785
Descriptions	Penicillinase is a type of β -lactamase that specifically hydrolyzes the β -lactam ring of penicillin antibiotics to inactivate them, and is widely applied for antibiotic residue detection, immunoassay development and pharmaceutical quality control.
Applications	Penicillinase is widely used in antibiotic residue detection kit development and β -lactam drug assay reagent preparation.
CAS No.	9001-74-5
Enzyme Source	E. coli
Reaction	The enzyme can effectively hydrolyze the β -lactam ring of β -lactam antibiotics.
Activity	≥ 3 million U/mL
Activity Definition	In phosphate buffer at pH 7.0 37°C the amount of enzyme required to convert 1 unit of penicillin in 1 hour is 1 U.
Storage	Transported in ice pack, 2-8°C, protected from light, stable storage for 8 months.