Immobilized penicillin acylase

Cat. No. CEZ055 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Immobilized penicillin acylase is an enzyme that catalyzes the chemical reaction:penicillin + H2O a carboxylate + 6-aminopenicillanate Thus, the two substrates of this enzyme are penicillin and H2O, whereas its two products are carboxylate and 6-aminopenicillanate. This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than petide bonds, specifically in linear amides. This enzyme participates in penicillin and cephalosporin biosynthesis.
Particle Size	200-600μm
Dry Weight	50-75%
Form	Yellowish brown to reddish brown solid particles
pH Stability	6.0~8.5
Optimum pH	8
Substrate Concentration	0.08
Specific activity	>100u/g (liquid phase, amol measurement)
Stability	Minimum 18 months subject to specified conditions.

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Storage	Below 4°C and isolated from air.

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