

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 + H ₂ O → a carboxylate + 6-aminopenicillanate. Thus, the two substrates of this enzyme are penicillin and H ₂ O, 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 peptide bonds, specifically in linear amides. This enzyme participates in penicillin and cephalosporin biosynthesis.
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Particle Size	200-600µm
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Dry Weight	50-75%
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Form	Yellowish brown to reddish brown solid particles
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pH Stability	6.0~8.5
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Optimum pH	8
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Substrate Concentration	0.08
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Specific activity	>100u/g (liquid phase, amol measurement)
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Stability	Minimum 18 months subject to specified conditions.
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 45-1 Ramsey Road, Shirley, NY 11967, USA



Storage

Below 4°C and isolated from air.

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