Whatever your application, our range of inactivation enzymes allows you to select the most appropriate enzyme for your needs—available in bulk powder and vials.

Applications of B-Lactamase:

- Has broad range of activity against both penicillins (BI activity) and cephalosporins (BI activity)
- Sterility testing of B-Lactams
- Environmental monitoring of antibiotic manufacturing facilities
- Testing for contamination of drugs by antibiotics as required by US Code of Federal regulations (21 CFR 211.176, Penicillin contamination, FDA, BY-lines No.8, Nov., 1977)
- Testing sterility of blood cultures to remove false negatives caused by antibiotics in the blood sample

PRODUCT ORDERING INFORMATION

PRODUCT NAME	FORMAT	CODE
β-Lactamase ES	Bulk Powder	BELA-70-1491
β-Lactamase ES	Sterile Vials (pack of 10)	BELA-70-1461
β-Lactamase	Bulk Powder	BELA-70-1431
β-Lactamase	Sterile Vials (pack of 10)	BELA-70-1401

THE AMERICAS SEKISUI Diagnostics, One Wall Street, Burlington, MA 01803 Phone: 800 332 1042 Fax: 800 762 6311

INTERNATIONAL SEKISUI Diagnostics (UK) Limited, Liphook Way, Allington Maidstone, Kent, ME16 OLQ, UK Phone: +44 1622 607800 Fax: +44 1622 607801

info@sekisui-dx.com sekisuidiagnostics.com

DIAGNOSTICS Because every result matters[™] PENICILLINS

TRADITIONAL CEPHALOSPORINS NEXT GENERATION CEPHALOSPORINS

Discover the widest spectrum for ßlactaminactivation-from the market leader for B-lactamase

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Because every result matters[™]

EXTENDED SPECTRUM

HIGHLY STABLE

B-Lactamase for inactivation of all classes of B-Lactam antibiotics; cephalosporins up to 5th generation, carbapenems and penicillins

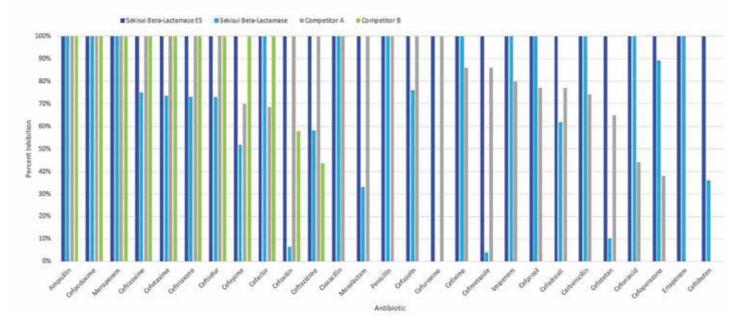
For over 40 years SEKISUI Diagnostics has been manufacturing penicillinase and B -Lactamase. B-Lactamase has a broad range of activity against both penicillins (BI activity) and cephalosporins (BII activity). In light of the over-use of B-Lactam antibiotics and resulting resistance, new and novel broader spectrum antibiotics have been developed. New B-Lactamase ES has an extended spectrum activity of complete inactivation of a broad range of cephalosporins and penicillins.

Why Buy Sekisui B-Lactamase?

Confirm the full inactivation of a broad range of B-Lactams

Sekisui extended spectrum beta lactamase specializes in the full inactivation of a broad range of B-Lactams including the more resistant cephalosporins: Cefepime, Cefoxitin, Cefradine, and Ceftaxidime which other commercially available enzymes do not degrade as efficiently.

ACTIVITY SPECTRUM



Highly stable

Retaining >90% of its activity after 4 hours at 50°C, means no need to compensate for loss of enzyme activity during media preparation for applications using sterile plates.



Extensive experience in manufacturing and R&D with a commitment to:

- Customer Service
- Supply Chain Expertise
- Partnership
- Excellence in Quality
- Competitive Pricing



SEKISUI's **B-Lactamase** products inactivate the following:

1ST GENERATION	2ND GENERATION	3RD GENERATION	4TH GENERATION	5TH GENERATION	CARBAPENEMS
Cefadroxil*	Cefaclor	Cefdinir	Cefepime*	Ceftobiprole	Ertapenem
Cefalexin*	Cefamandole	Cefixime	Cefpirome*		Imipenem
Cefaloridine	Cefmetazole*	Cefoperazone*			Meropenem
Cefazolin*	Cefonicid	Cefopdoxime			
	Cefotetan*	Cefotaxime*			
	Cefoxitin*	Cefsulodin			~
	Cefprozil	Ceftazidime*			
	Cefuroxime*	Ceftibuten*			
		Ceftiofur*			
		Ceffizoxime*			\leq
		Ceftriaxone*			
		Moxalactam*			
Use of B-Lactamase I	ES is recommended for	these antibiotics.			$\langle \rangle$

SEKISUI Penicillinase has been demonstrated to inactivate the following: Penicillins: Amdinocillin, Amoxicillin, Aziocillin, Aziocillin, Benzylpenicillin, Carbenicillin, Cloxacillin, Flucloxacillin, Methicillin, Mezlocillin, Nafcillin, Oxacillin, Penicillin, Piperacillin, and Ticarcillin.

COMPETITIVELY PRICED

