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DIAGNOSTICS

*Because every result matters™*

PRODUCT CATALOG: ASIA

ENZYMES ENZYMES

diagnostic reagents  
biosensors  
point-of-care  
urinalysis  
immunochemistry applications  
 $\beta$  -lactam sterility testing

DIAGNOSTIC ENZYMES


PRODUCT	SOURCE	PART NO.
Ascorbate Oxidase <span style="float: right;">DP</span>	Zucchini	70-6141-20
Bilirubin Oxidase	<i>Myrothecium sp.</i>	BIOX-70-1021
Catalase	<i>Aspergillus sp. (L)</i>	CATA-70-6004
Cholesterol Dehydrogenase	<i>Nocardia sp.</i>	CHDE-70-1241
Cholesterol Esterase	<i>Candida rugosa</i>	70-6551-03
Cholesterol Esterase	<i>Pseudomonas sp.</i>	CHES-70-1041
Cholesterol Esterase	<i>Candida rugosa</i>	70-6201-01
Cholesterol Oxidase	<i>Nocardia sp.</i>	CHOX-70-1101
Cholesterol Oxidase	Microbial (R)	RECO-70-1229
Cholesterol Oxidase	<i>Streptomyces lividans (R)</i>	RECO-70-1221
Colipase**	Porcine pancreas (L)	70-6254-01
Diacetinase**	<i>Bacillus subtilis (L)</i>	70-6304-01
DNASE B**	<i>Escherichia coli (L) (R)</i>	70-6174-01
Glucoamylase	<i>Rhizopus sp.</i>	GLUC-70-6881
Glucose Dehydrogenase NAD Dependent	<i>Bacillus sp.</i>	GLDE-70-1191
Glucose Dehydrogenase FAD Dependent*	<i>Aspergillus sp.</i>	GLDE-70-1192
Glucose Dehydrogenase (PQQ) <span style="float: right;">DP</span>	Bacterial	GD-2
Glucose Oxidase HPS150	<i>Aspergillus niger (R)</i>	GLOX-70-6457
Glucose Oxidase HPS300	<i>Aspergillus niger (R)</i>	GLOX-70-6456
Glucose Oxidase	<i>Aspergillus niger (L)</i>	70-6644-01
Glucose Oxidase L150	<i>Aspergillus niger (R) (L)</i>	GLOX-70-6599
Glucose-6-Phosphate Dehydrogenase	<i>Leuconostoc mesenteroides</i>	GLPD-70-1201
Glycerol Kinase	<i>Escherichia coli</i>	70-6741-01
Glycerol Kinase	<i>Cellulomonas sp.</i>	GLKI-70-6495
Hexokinase	Yeast	HEXO-70-1351
Ketoamine Oxidase <span style="float: right;">DP</span>	Microbial (R)	KAO-2
Lactate Dehydrogenase	Microbial	LADE-70-1411

(L) Liquid (R) Recombinant

\* Not available in Japan

\*\* Subject to Availability. Colipase, Diacetinase, DNASE B and Streptolysin O are not available in China.

### DIAGNOSTIC ENZYMES

PRODUCT	SOURCE	PART NO.
Malate Dehydrogenase	Microbial	MADE-70-1521
Maltase ( $\alpha$ -Glucosidase)	Yeast	MALT-70-1235
Peroxidase RZ 2.0	Horseradish	PERO-70-6915
Proteinase K 	<i>Tritirachium album</i>	PROK-1
Streptolysin O**	<i>Escherichia coli</i> (R) (L)	70-6844-01
Urease	Jack Bean	70-6734-01
Uricase	<i>Bacillus fastidiosus</i>	URIC-70-1701
Uricase	<i>Escherichia coli</i> (R)	URIC-70-1731

### MOLECULAR DIAGNOSTIC ENZYMES

PRODUCT	USAGE	FORMAT	PART NO.
Taq DNA Polymerase	Recombinant thermostable DNA polymerase expressed from a sequence originating from the thermophilic bacterium <i>Thermus aquaticus</i> can be used for any standard PCR application and is compatible with all standard and fast cycling real-time instruments.	500 Units Bulk sold by KU	DNAP-70-6104-50 DNAP-70-6104
HS Taq DNA Polymerase	Multiple antibody hotstart technology engineered to provide higher sensitivity and specificity. Designed to provide low primer-dimer formation combined with fast dissociation to minimise overall test reaction times.	250 Units Bulk sold by KU	DNAP-70-6114-250 DNAP-70-6114
Reverse Transcriptase	Enhanced / modified MMLV reverse transcriptase engineered to enhance cDNA synthesis speed and yield with accurate transcript representation.	20,000 Units Bulk sold by KU	RTRA-70-6404-20 RTRA-70-6404

### IMMUNOASSAY MATERIALS

PRODUCT	USAGE	FORMAT	PART NO.
Streptavidin	Streptavidin is sourced from <i>Streptomyces avidinii</i> . Suitable for techniques such as Elisa, RIA, DNA Probes, Immunocytochemistry and Protein Blotting.	Available in Grams	STRE-70-4801
Smartbond Streptavidin	Sourced from <i>Streptomyces avidinii</i> . High purity, high specific activity, core Streptavidin. Suitable for techniques such as ELISA, RIA, DNA probes, Immunocytochemistry and Protein Blotting.	1mg 5mg 20mg 100 mg Bulk sold in Grams	STRE-70-4803-01 STRE-70-4803-05 STRE-70-4803-20 STRE-70-4803-100 STRE-70-4803
Smartbond Alkaline Phosphatase	Recombinant Highly Active. An alternative to conventional Alkaline Phosphatase products made from bovine intestine. Suitable for all immunoassay applications such as Elisa, Blotting, Histochemistry and Conjugation.	15mg 500 mg (Bulk)	ALKP-70-6471-15 ALKP-70-6471

(L) Liquid (R) Recombinant

\* Not available in Japan

PRODUCT	USAGE	FORMAT	PART NO.
$\beta$ -Lactamase ES	Specially developed for use when inactivation of more resistant cephalosporins such as Cefepime, Cefoxitin, Cefradine and Ceftazidime is required.	Bulk powder	BELA-70-1491
$\beta$ -Lactamase ES	Convenient format of $\beta$ -Lactamase ES (BELA-70-1491) in ready-to-use vials which have been sterilised by gamma-irradiation and require reconstitution.	Sterile vials (pack of 10)	BELA-70-1461
$\beta$ -Lactamase	A freeze-dried product containing buffer salts and zinc that has a range of activity against both penicillins ( $\beta$ I activity) and cephalosporins ( $\beta$ II activity).	Bulk powder	BELA-70-1431
$\beta$ -Lactamase	Convenient format of $\beta$ -Lactamase (BELA-70-1431) in ready-to-use vials which have been sterilised by gamma-irradiation and require reconstitution.	Sterile vials (pack of 10)	BELA-70-1401
Penicillinase	Penicillinase is a freeze-dried product containing buffer salts that is active against penicillins only.	Bulk powder	PENI-70-1541
Penicillinase	Convenient format of Penicillinase (PENI-70-1541) in ready-to-use vials which have been sterilised by gamma-irradiation and require reconstitution.	Sterile vials (pack of 10)	PENI-70-1545

## SPECIALITY PRODUCTS

PRODUCT	USAGE	PART NO.
Valinomycin	Valinomycin is sourced from <i>Streptomyces sp.</i> Suitable as a potassium ionophore in electrodes or other devices for the measurement of potassium.	VALI 997860
CNPG <sub>3</sub>	2-Chloro-4-nitrophenyl maltotrioside (CNPG <sub>3</sub> ) is a proprietary substrate for the determination of pancreatic $\alpha$ -amylase. No requirement for auxiliary enzymes as colour is directly released by $\alpha$ -amylase cleavage.	CHNM-70-3821
BpNPG <sub>7</sub>	Blocked p-nitrophenyl- $\alpha$ -D-maltoheptaoside (BpNPG <sub>7</sub> ) is a substrate for the determination of pancreatic $\alpha$ -amylase. auxiliary enzymes, Glucoamylase and Maltase are required to release the chromogen.	BLNM-70-3685