



Product List

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SPRIN S.p.A.

Technologies for Sustainable Chemistry

c/o BIC Incubatori FVG
via Flavia, 23/1
34148 Trieste-Italy

www.sprintechnologies.com

Distributor INDIA:

Sumit Biosciences Pvt. Ltd.

D1 & D2, Krishna Complex
Subhash Road – A. Vile Parle (East),
Mumbai – 400057 (India)
Tel : 91 - 22 - 6693 8885 / 6
Fax : 91 - 22 - 6699 0665

Email : sumit_exports@yahoo.com
Website : www.sumitbiomedical.com



Immobilised PGA

- Water Content: 60% max

Code	Product
PECME	SPRIN epobond PGA Covalently immobilised preparation of Penicillin G Amidase from <i>E.coli</i> on Epoxy Acrylic Resin Particle size (100-300µm) Activity ^a > 140 U/g _{wet}
PECMA	SPRIN imibond PGA Covalently immobilised preparation of Penicillin G Amidase from <i>E.coli</i> on Amino Acrylic Resin Particle size (100-300µm) Activity ^a > 100 U/g _{wet}

^aDetermined by benzylpenicillin hydrolysis assay

Immobilised Lipases

- Water Content: 15% max

Code	Product
LCAPNH	SPRIN actiplus CALB Highly active adsorbed preparation of CALB on Polystyrene Resin Particle size (300-700µm) Activity ^b > 10000 U/g _{dry}
LCAPN	SPRIN acti CALB Adsorbed preparation of CALB on Polystyrene Resin Particle size (300-700µm) Activity ^b > 3000 U/g _{dry}
LCAMO	SPRIN adsorbed CALB Adsorbed preparation of CALB on Hydrophobic Acrylic Resin Particle size (100-300µm) Activity ^b > 6000 U/g _{dry}
LCAHN	SPRIN lipo CALB Adsorbed preparation of CALB on Polystyrene Resin Particle size (200-800µm) Activity ^b > 2000 U/g _{dry}
LCAME	SPRIN epobond CALB Covalently immobilised preparation of CALB on Epoxy Acrylic Resin Particle size (100-300µm) Activity ^b > 1500 U/g _{dry}

^b Determined by propyl laurate synthesis assay

LPSME	SPRIN epobond <i>P. cepacia</i> Covalently immobilised preparation of Lipase from <i>P. cepacia</i> on Epoxy Acrylic Resin Particle size (200-500µm) Activity ^c > 100 U/g _{dry}
LPSHN	SPRIN lipo <i>P. cepacia</i> Adsorbed preparation of Lipase from <i>P. cepacia</i> on Polystyrene Resin Particle size (200-800µm) Activity ^c > 100 U/g _{dry}

^c Determined by 1-phenylethyl acetate synthesis assay

Lipases kits content and applications

- Water content: 15% max

Code	Product
SLKN	SPRIN LIPASE-KIT-N (NORMAL)
SLKL	SPRIN LIPASE-KIT-L (LARGE)

Kit content	Description
SPRIN actiplus CALB	Highly active adsorbed preparation of CALB on Polystyrene Resin (LCAPNH)
SPRIN acti CALB	Adsorbed preparation of CALB on Polystyrene Resin (LCAPN)
SPRIN adsorbed CALB	Adsorbed preparation of CALB on Hydrophobic Acrylic Resin (LCAMO)
SPRIN lipo CALB	Adsorbed preparation of CALB on Polystyrene Resin (LCAHN)
SPRIN epobond CALB	Covalently immobilised preparation of CALB on Epoxy Acrylic Resin (LCAME)
SPRIN epobond <i>P. cepacia</i>	Covalently immobilised preparation of Lipase from <i>P. cepacia</i> on Epoxy Acrylic Resin (LPSME)
SPRIN lipo <i>P. cepacia</i>	Adsorbed preparation of Lipase from <i>P. cepacia</i> on Polystyrene Resin (LPSHN)

Immobilised Proteases

- Water content: 70% max

Code	Product
SBSME2	SPRIN epobond SUBTILISIN Covalently immobilised preparation of Subtilisin from <i>Bacillus sp.</i> on Epoxy Acrylic Resin Particle size (100-300µm) Activity ^d > 130 U/g _{wet}
SBSMH2	SPRIN imibond SUBTILISIN Covalently immobilised preparation of Subtilisin from <i>Bacillus sp.</i> on Amino Acrylic Resin Particle size (100-300µm) Activity ^d > 300 U/g _{wet}
TGSME2	SPRIN epobond THERMOLYSIN Covalently immobilised preparation of Thermolysin from <i>Geobacillus sp.</i> on Epoxy Acrylic Resin Particle size (100-300µm) Activity ^d > 80 U/g _{wet}
TGSMH2	SPRIN imibond THERMOLYSIN Covalently immobilised preparation of Thermolysin from <i>Geobacillus sp.</i> on Amino Acrylic Resin Particle size (100-300µm) Activity ^d > 80 U/g _{wet}

^d Determined by ethyl lactate hydrolysis assay

Proteases kits content and applications

- Water content: 70% max

Code	Product
SPKN	SPRIN PROTEASE-KIT-N (NORMAL)
SPKL	SPRIN PROTEASE-KIT-L (LARGE)

Kit content	Description
<i>SPRIN epobond Subtilisin</i>	Covalently immobilised preparation of Subtilisin from <i>Bacillus sp.</i> on Epoxy Acrylic Resin (SBSME2)
<i>SPRIN imibond Subtilisin</i>	Covalently immobilised preparation of Subtilisin from <i>Bacillus sp.</i> on Amino Acrylic Resin (SBSMH2)
<i>SPRIN epobond Thermolysin</i>	Covalently immobilised preparation of Thermolysin from <i>Geobacillus sp.</i> on Epoxy Acrylic Resin (TGSME2)
<i>SPRIN imibond Thermolysin</i>	Covalently immobilised preparation of Thermolysin from <i>Geobacillus sp.</i> on Amino Acrylic Resin (TGSMH2)

Immobilised Endoinulinase

- Water content: 70% max

Code	Product
EANME2	SPRIN epobond ENDOINULINASE Covalently immobilised preparation of Endoinulinase from <i>Aspergillus niger</i> on Epoxy Acrylic Resin Particle size (100-300µm) Activity ^e > 40 U/g _{wet}

^e Determined by inulin hydrolysis assay

Immobilised Galactosidase

- Water content: 70% max

Code	Product
BKLMA2	SPRIN imibond GALACTOSIDASE Covalently immobilised preparation of β-Galactosidase from <i>Kluyveromyces lactis</i> on Amino Acrylic Resin Particle size (200-500µm) Activity ^f > 20 U/g _{dry}

^f Determined by lactose hydrolysis assay (0,1% lactose)

Immobilisation kit content

Code	Product
IMM-KIT	IMMOBILISATION KIT

Kit content	Description	Immobilisation type
<i>SPRIN beads AE110</i>	Aminomethacrylate functionalised with Epoxy groups	Covalent
<i>SPRIN beads AE130</i>	Highly porous Aminomethacrylate functionalised with Epoxy groups	Covalent
<i>SPRIN beads AA110</i>	Aminomethacrylate functionalised with Amino groups (short spacer)	Covalent
<i>SPRIN beads AH110</i>	Aminomethacrylate functionalised with Amino groups (long spacer)	Covalent
<i>SPRIN beads AO110</i>	Aminomethacrylate functionalised with Octadecyl groups	Adsorption
<i>SPRIN beads SN110</i>	Polystyrene cross-linked with DVB	Adsorption
<i>SPRIN beads SI110</i>	Macroporous polystyrene functionalised with Tertiary amine	Ionic
<i>Protocols</i>	Immobilisation protocols	