

1. Description

Seplife® RP LX-55SS products are macroporous polymeric resins for reverse phase chromatography (RPC) and adsorption characterized by good chemical stability and rigidity for use in the purification of cyclosporin, polymyxins, dalbavancin, teicoplanin, breviscapine and other small molecules.

Seplife® RP LX-55SS products are characterized by:

- Uniform particle size for chromatographic applications up to 20 bar
- Macroporous hydrophobic aliphatic polyacrylic resin
- Suitable for reverse phase chromatography (RPC) and adsorption for purification and isolation of small size molecules
- Controlled pore structure providing excellent kinetics and capacity for small molecules at preparative and large scale processes.
- High chemical stability to CIP, common organic solvents, acids and base, operational pH 1-14
- Regulatory Support File (RSF) is available for Seplife® RP LX-55SS.

Seplife® RP LX-55SS group of resins are aliphatic polyacrylate macroporous spherical beads designed for RP chromatography and adsorption with uniform particle size distribution, available in three different particle size ranges suitable for the capture, intermediate and polishing purification of small molecules.

2. Properties

Product	Seplife LX-55SS(S)	Seplife LX-55SS(M)	Seplife LX-55SS(L)
Polymer matrix	Aliphatic polyacrylic		
Appearance	White Spherical Beads		
Functional Group	None		
Particle Size (micron)	30-50	50-100	100-300
Uniformity Coefficient	≤1.3		
pH Limits, Stability	1-14		
Pore Volume (mL/g)	1.10-1.50		
Specific Surface Area (m ² /g)	300-600		
Pore Radius (Å)	200-350		
Shipped as	20% Ethanol Slurry	20% Ethanol Slurry	Wet form

3. Instructions

The Seplife® RP LX-55SS group of resins can be used in chromatographic columns in a packed bed or in batch mode. When using in column packed bed, the resins can withstand pressures up to 20bar for the Seplife® RP LX-55SS(S), 15bar for Seplife® RP LX-55SS(M) and up to 10bar for Seplife® RP LX-55SS(L).

4. Storage

Chromatography resins that are not for immediate use should be stored at 4-30 °C.

Seplife® RP LX-55SS(S) and Seplife® RP LX-55SS(M) are shipped in 20% ethanol and Seplife® RP LX-55SS(L) is shipped in wet form.

5. Transportation

Avoid sunlight, rain, and heavy pressure during transportation. It is strictly forbidden to transport with toxic and hazardous materials.

6. Ordering information

Product Name	References	Pack Size
Seplife® LX-55SS(S)	PM00052S2-1	25ml
	PM00052S2-2	100ml
	PM00052S2-3	500ml
	PM00052S2-4	1L
	PM00052S2-5	5L
	PM00052S2-6	10L

Product Name	References	Pack Size
Seplife® LX-55SS(M)	PM00052M2-1	25ml
	PM00052M2-2	100ml
	PM00052M2-3	500ml
	PM00052M2-4	1L

Product Data Sheet

Seplife® RP LX-55SS

	PM00052M2-5	5L
	PM00052M2-6	10L

Product Name	References	Pack Size
Seplife® LX-55SS(L)	PM00052L2-1	25ml
	PM00052L2-2	100ml
	PM00052L2-3	500ml
	PM00052L2-4	1L
	PM00052L2-5	5L
	PM00052L2-6	10L

Production date: See label

Expiry date: 5 years from manufacture, under proper storage conditions

Manufacturer: Sunresin New Materials Co. Ltd.

Address: No. 135, Jinye Rd., Xi'an Hi-tech Industrial Development Zone, Shaanxi, 710076, China

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