

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

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|--|-------------|-----|
| | 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.

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