

1. Description

Seplife® RP LX-21SS products are macroporous polymeric resins for reverse phase chromatography (RPC) and adsorption characterized by strong chemical stability and high rigidity for use in purification and isolation of peptides, oligonucleotides, products obtained by fermentation, natural extract and in medical devices for hemodialysis.

Seplife® RP LX-21SS products are characterized by:

- Uniform particle size for chromatographic applications up to 25 bar
- Non functionalized macroporous highly hydrophobic divinylbenzene resin
- Suitable for reverse phase chromatography (RPC) and adsorption for purification and isolation of small and medium size molecules
- High chemical stability to CIP, common organic solvents, acids and base, operational pH 1-14
- Regulatory Support File (RSF) is available on demand.

Seplife® RP LX-21SS group of resins are poly-divinylbenzene macroporous spherical beads designed for RP chromatography and adsorption with a uniform particle size distribution, available in three different particle size ranges suitable for the capture, intermediate and polishing purification of small and medium size molecules.

2. Properties

Product Name	Seplife LX-21SS(S)	Seplife LX-21SS(M)	Seplife LX-21SS(L)
Polymer matrix	Poly divinylbenzene		
Appearance	White Spherical Beads		
Functional Group	None		
Particle Size (micron)	30-50	50-100	100-300
Uniformity Coefficient	≤1.3		
H Limits, Stability	1-14		
Pore Volume (mL/g)	1.70±0.40		
Specific Surface Area (m ² /g)	≥600		
Pore Radius (Å)	150-500		
Shipped as	20% Ethanol Slurry	20% Ethanol Slurry	Water

3. Instructions

The Seplife® RP LX-21SS 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 30bar for the Seplife® RP LX-21SS(S) and Seplife® RP LX-21SS(M) and up to 20bar for Seplife® RP LX-21SS(L).

Suggested applications are:

- Purification of small peptides, oligonucleotides and proteins
- Adsorption of vitamins, antibiotics, enzymes, steroids and other substance from fermentation broth
- Decolorization of sugar solutions
- Adsorption of fatty acids
- Adsorption of perfumes
- Decolorization and purification of various chemicals

4. Storage

Chromatography resins that are not for immediate use should be stored in 20% ethanol solution at 4-30 °C. Seplife® RP LX-21SS(S) and Seplife® RP LX-21SS(M) are shipped in 20% ethanol and Seplife® RP LX-21SS(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-21SS(S)	PS00052S2-1	25ml
	PS00052S2-2	100ml
	PS00052S2-3	500ml
	PS00052S2-4	1L
	PS00052S2-5	5L
	PS00052S2-6	10L

Product Name	References	Pack Size
Seplife® LX-21SS(M)	PS00052M2-1	25ml
	PS00052M2-2	100ml
	PS00052M2-3	500ml
	PS00052M2-4	1L
	PS00052M2-5	5L
	PS00052M2-6	10L

Product Name	References	Pack Size
Seplife® LX-21SS(L)	PS00052L2-1	25ml
	PS00052L2-2	100ml
	PS00052L2-3	500ml
	PS00052L2-4	1L
	PS00052L2-5	5L
	PS00052L2-6	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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