

## 1. Description

Seplife® RP LX-16SS 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 small molecules such as iodine contrast agents, polyphenols, flavonoids, saponins, etc.

Seplife® RP LX-16SS products are characterized by:

- Uniform particle size for chromatographic applications up to 30 bar
- Non functionalized macroporous highly hydrophobic divinylbenzene resin
- Suitable for reverse phase chromatography (RPC) and adsorption for purification and isolation of small size molecules
- 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-16SS.

Seplife® RP LX-16SS 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 molecules.

## 2. Properties

Product Name	Seplife LX-16SS(S)	Seplife LX-16SS(M)	Seplife LX-16SS(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)	1.30-2.10		
Specific Surface Area (m <sup>2</sup> /g)	900-1100		
Pore Radius (Å)	60-150		
Shipped as	20% Ethanol Slurry	20% Ethanol Slurry	Wet form

### 3. Instructions

The Seplife® RP LX-16SS 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-16SS(S) and Seplife® RP LX-16SS(M) and up to 20bar for Seplife® RP LX-16SS(L).

### 4. Storage

Chromatography resins that are not for immediate use should be stored in 20% ethanol solution at 4-30 °C. Seplife® RP LX-16SS(S) and Seplife® RP LX-16SS(M) are shipped in 20% ethanol and Seplife® RP LX-16SS(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-16SS(S)	PS00051S2-1	25ml
	PS00051S2-2	100ml
	PS00051S2-3	500ml
	PS00051S2-4	1L
	PS00051S2-5	5L
	PS00051S2-6	10L

Product Name	References	Pack Size
Seplife® LX-16SS(M)	PS00051M2-1	25ml
	PS00051M2-2	100ml
	PS00051M2-3	500ml
	PS00051M2-4	1L

## Product Data Sheet

## Seplife® RP LX-16SS

	PS00051M2-5	5L
	PS00051M2-6	10L

Product Name	References	Pack Size
Seplife® LX-16SS(L)	PS00051L2-1	25ml
	PS00051L2-2	100ml
	PS00051L2-3	500ml
	PS00051L2-4	1L
	PS00051L2-5	5L
	PS00051L2-6	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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