

# Product Data Sheet

## Seplife® RP LX-26SS-3

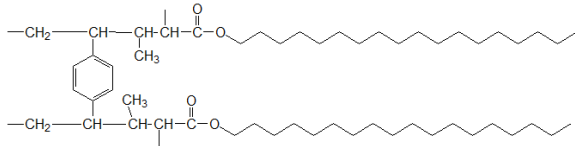
### 1. Description

Seplife® RP LX-26SS-3 is a poly divinylbenzene/stearyl methacrylate macroporous resin for Reversed-Phase Chromatography (RPC) and Adsorption. Unlike the polydivinylbenzene resin, Seplife®RP LX-26SS-3 uses the long straight chain - C18 as functional group and hydrophobic moiety. The octadecyl group gives this resin a different chromatographic behavior compared with polydivinylbenzene resins. Also, the wide pore polymer matrix provides excellent kinetics and capacity for small biomolecules at both preparative and process scale.

### ADVANTAGES

- Highly hydrophobic
- High chemical stability
- Easy column packing
- Efficient regeneration

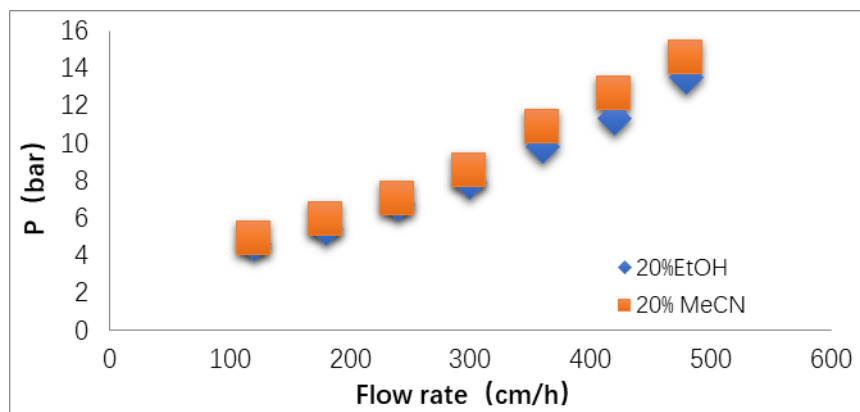
### 2. Properties

Grade Names	LX-26SS-3 (S)	LX-26SS-3 (M)	LX-26SS-3 (L)
Polymer matrix			
Appearance	White Spherical Beads		
Functional Group	None		
Particle Size (um)	30-50	50-100	100-300
Uniformity Coefficient	≤1.3		
Wet Apparent Density (g/mL)	0.80-0.90	0.75-0.85	0.70-0.80
Pressure resistance (bar)	30	30	20
pH Limits, Stability	1-14		
Pore Volume (mL/g)	1.20±0.10		
Specific Surface Area (m <sup>2</sup> /g)	250±50		
Pore Radius (Å)	300±30		
Swelling coefficient (from wet form)	≤9% (100% MeOH)	≤11% (100% MeOH)	≤11% (100% MeOH)
	≤12 % (100% MeCN)	≤14% (100% MeCN)	≤14% (100% MeCN)
Operating Temperature (°C)	4-30		
Shipped as	Shipped in 20% ethanol slurry for the S and M, shipped in wet form for the L grade.		
Expiry date	5 years		

Production date: See label

### 3. Hydraulic Characteristics

The approximate pressure drop at various solutions and flow rates for Seplife® RP LX-26SS-3 (M) in normal down flow operation is shown in the graph below.



10\*600mm column, Packing pressure: 8 bar

Fig.1 Pressure Drop of Seplife® RP LX-26SS-3 (M)

#### 4. Indicative Applications

- Purification of iodoxazole, raw materials (vancomycin, nemamycin, geldamycin), and glycopeptide compounds
- Adsorption of vitamins, antibiotics, enzymes, steroids and other substance from fermentation solutions
- Adsorption and purification of various chemicals

#### 5. Storage

Shipped in 20% ethanol slurry for the S and M grades, shipped in wet form for the L grade.

#### 6. Transportation

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

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