

1. Description

Seplife® RP LX-20SS is polydivinylbenzene macroporous resin for Reversed-Phase Chromatography (RPC) and Adsorption. The wide pore polymer matrix provides excellent kinetics and capacity for small biomolecules at both preparative and process scale.

Seplife® RP LX-20SS 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 biomolecules
- 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-20SS.

Seplife® RP LX-20SS 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	LX-20SS(S)	LX-20SS(M)	LX-20SS(L)
Polymer matrix	Poly divinylbenzene		
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)	0.83	0.78	0.73
pH Limits, Stability	1-14		
Pore Volume (mL/g)	0.80-1.40		
Specific Surface Area (m ² /g)	500-600		
Pore Radius (Å)	150-250		
Swelling coefficient	≅ 3% (100% MeOH)	≅ 4% (100% MeOH)	≅ 4% (100% MeOH)
	≅ 4% (100% MeCN)	≅ 5% (100% MeCN)	≅ 5% (100% MeCN)
Shipped as	20% ethanol slurry		Wet form

3. Instructions

The Seplife® RP LX-20SS 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-20SS(S) and Seplife® RP LX-20SS(M) and up to 20bar for Seplife® RP LX-20SS(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-20SS(S) and Seplife® RP LX-20SS(M) are shipped in 20% ethanol and Seplife® RP LX-20SS(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-20SS(S)	PS00042S2-1	25ml
	PS00042S2-2	100ml
	PS00042S2-3	500ml
	PS00042S2-4	1L
	PS00042S2-5	5L
	PS00042S2-6	10L

Product Name	References	Pack Size
Seplife® LX-20SS(M)	PS00042M2-1	25ml
	PS00042M2-2	100ml
	PS00042M2-3	500ml
	PS00042M2-4	1L
	PS00042M2-5	5L

Product Data Sheet

Seplife® RP LX-20SS

	PS00042M2-6	10L
--	-------------	-----

Product Name	References	Pack Size
Seplife® LX-20SS(L)	PS00042L2-1	25ml
	PS00042L2-2	100ml
	PS00042L2-3	500ml
	PS00042L2-4	1L
	PS00042L2-5	5L
	PS00042L2-6	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

www.sunresinlifesciences.com

E-mail: info.lifesciences@sunresin.com

All information set forth herein is for informational purposes only. This information is general descriptive(introductory) information of SUNRESIN and its related products, technologies and services. Neither shall constitute the guarantee of SUNRESIN and its affiliates to products, technologies and services in specific fields and specific application conditions results, unless otherwise expressly noted. SUNRESIN and its affiliates assumes no obligation or liability for the information in this document. Customer is responsible for judging whether the information is appropriate for Customer's concrete demand and are obliged to understand whether the use of these products, technologies and services is permitted by the laws and regulations of their countries and relevant regions. Unless expressly stated, no freedom from infringement of use any patent or trademark or intellectual property rights owned by SUNRESIN or its affiliated companies under this document is to be inferred.