Seplife® SP SuPer 37

1. Description

Seplife® SP SuPer 37 is a strong cation exchanger agarose resin for intermediate and polishing steps in proteins and mAbs downstream processing.

- High stability to CIP (cleaning in place) up to 1M NaOH.
- The agarose matrix of Seplife® SP SuPer 37 is functionalized with sulphopropyl groups ensuring high dynamic binding capacity and high flow rates leading to high productivity.
- Hydrophilic base matrix ensures low levels of non-specific adsorption and high recovery rate
- Regulatory Support File (RSF) is available for SP Seplife® SP SuPer 37.

Seplife® SP SuPer 37 is based on highly cross-linked agarose and has a particle size suitable for high capacity and high-resolution applications (30-50 micron).

2. Properties

Product	Seplife® SP SuPer 37
Appearance	White to light yellow beads
Type	Strong acid cation - Sulfopropyl
Matrix	Highly crossed linked 6% agarose
Ion exchange capacity (mmol/ml)	0.12-0.18 (H^+)
pH ligand fully charged	Negatively charged at pH>2
Particle size range (μm)	30-50
pH stability	4-13 (operational), 3-14 (CIP)
Chemical Stability	Stable in all common aqueous buffers; 1M sodium hydroxide; 8M Urea; 6M guanidine hydrochloride; 30% isopropyl alcohol; 70% ethanol
Flow rate* (cm/h)	＞300
10% Dynamic binding capacity (mg/ml)**	≥70.0
Shipped as	Slurry in 20% ethanol solution containing 0.2M sodium acetate

*Testing conditions: Chromatography column 26mm×300mm; column bed height 20cm; 0.3MPa; temperature 25° C; mobile phase water.

** Testing conditions: Binding buffer: 20mM NaAC-HAC, pH 5.0; Elution buffer: 20mM NaAC-HAC+1M NaCl, pH 5.0; Sample: Lysozyme. Column 8mm*100mm, room temperature, Retention time 2 minute.

3. Storage

Sealed and stored at 4-30°C (preservation solution is 20% ethanol in 0.2M sodium acetate) in a ventilated, dry and clean place, do not freeze.

4. Transportation

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

5. Ordering information

Product Name	Product Code	Pack Size
Seplife® SP SuPer 37	A2173402	25ml
	A2173403	100ml
	A2173404	500ml
	A2173405	1L
	A2173406	5L
	A2173407	10L

Production date: See label
Expiry Dated: 5 years, 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.lifescience@sunresin.com

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