Seplife® Q SuPer 37

1. Description

Seplife® Q SuPer 37 is a strong anion exchanger agarose resin for intermediate and polishing purification of proteins, mAbs, nucleic acids and other biomolecules.

- High stability to CIP (cleaning in place) up to 1M NaOH.
- Hydrophilic base matrix ensures with low levels of non-specific adsorption and high recovery rate
- Regulatory Support File (RSF) is available for Seplife® Q SuPer 37.

Seplife® Q 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® Q SuPer 37
Appearance	White to light yellow beads
Type	Strong base anion - Quaternary amine
Matrix	Highly crossed-linked 6% agarose
Ion exchange capacity (mmol/ml)	0.16-0.22 (Cl^-)
pH ligand fully charged	Positively charged at pH<11
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; 30% acetonitrile;
Flow rate* (cm/h)	＞300
10% Dynamic binding capacity (mg/ml)**	≥ 50.0
Shipped as	Slurry in 20% ethanol solution

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

** Testing conditions: Binding buffer: 50mM Tris-HCl, pH8.0; Elution buffer: 50mM Tris-HCl+1M NaCl, pH 8.0. Sample: BSA; Column 8mm*100mm, Room temperature, Retention time 4 minute.

3. Storage

Sealed and stored at 4-30°C (preservation solution is 20% ethanol) 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® Q SuPer 37	A2173302	25ml
	A2173303	100ml
	A2173304	500ml
	A2173305	1L
	A2173306	5L
	A2173307	10L

Production date: See label
Expiry Dated: 5 years, under proper storage conditions

Manufacturer: Sunresin New Materials Co. Ltd.
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