

## 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 <sup>-</sup> )  |
| 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 25°C; 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®<br>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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