

1. Description

Seplife® Q HiCap 90 is a strong anion exchanger agarose resin suitable for intermediate and polishing purification of proteins, mAbs, nucleic acids and other biomolecules.

- Increased productivity due to high dynamic binding capacity at high flow rate.
- Low back pressures at high flow velocities.
- Hydrophilic base matrix ensures low levels of non-specific adsorption and high recovery rate.
- Regulatory Support File (RSF) is available for Seplife® Q HiCap 90.

Seplife® Q HiCap 90 is based on highly cross-linked agarose and has a particle size suitable for high-capacity applications (45-165 micron).

2. Properties

| | |
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| Product | Seplife® Q HiCap 90 |
| Appearance | White to light yellow beads |
| Type | Strong base anion - Quaternary amine |
| Matrix | Highly cross-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) | 45-165 |
| pH stability | 2-12 (operational), 2-14 (CIP) |
| Chemical Stability | Stable in all common aqueous buffers; 0.5M sodium hydroxide; 8M urea; 6M guanidine hydrochloride; 70% ethanol. |
| Flow rate* (cm/h) | > 500 |
| 10% Dynamic binding capacity (mg/ml)** | ≥190.0 |
| 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 2 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 heavy pressure 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 HiCap 90 | A2163302 | 25ml |
| | A2163303 | 100ml |
| | A2163304 | 500ml |
| | A2163305 | 1L |
| | A2163306 | 5L |
| | A2163307 | 10L |

Production date: See label

Expiry Date: 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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