

## 1. Description

Seplife® Au-rA is a recombinant protein A affinity chromatography resin based on highly cross-linked agarose beads used as the matrix. The alkali-resistant recombinant protein A is covalently bound to the matrix; the chromatography media is designed for the affinity purification of mAbs and bispecific antibodies.

Seplife® Au-rA is characterized by:

- High dynamic binding capacity at all retention times,
- Very good pressure flow characteristics,
- Excellent alkaline stability, Seplife® Au-rA supports CIP with 0.1 to 0.5 M NaOH across numerous cycles,
- Seplife® Au-rA can be sanitized with 1.0-1.5 M NaOH in case of a bioburden incident,
- Low non-specific impurities binding.

Seplife® Au-rA is an affinity chromatography resin designed for the purification of mAbs and bispecific antibodies from a variety of biological samples or from fermentation broth with high productivity and efficiency.

## 2. Product Properties

### 2.1 Parameters

Product	Seplife® Au-rA
Appearance	White Spherical bead
Type	Affinity chromatography media
Matrix	Highly cross-linked agarose microspheres
Ligand	Alkali tolerant recombinant Protein A
Particle size (µm)	30-80
Dynamic adsorption capacity (mg/ml, IgG)**	≥75.0 (residence time 5min)
Flow rate (cm/h)*	>500
Ligand density(mg/ml)	7-8
Alkali resistance	0.5M-1.0M NaOH
pH Stability	3-13 (Operational), 2-14 (CIP)
Shipped as	20% ethanol slurry

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

\*\* Testing conditions: Binding buffer: 20mM PB+0.15M NaCl, pH 7.4; Elution buffer: 50mM NaAc-HAc pH 3.5; Sample: IgG; Column 8mm\*100mm, room temperature, Retention time 5 minutes.

### 3. Storage

Sealed and stored at 2-8°C (preservation solution is 20% ethanol) in a ventilated, dry and clean place, do not freeze. Used media should be stored at 2-8°C in 20% ethanol solution.

### 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	References	Pack Size
Seplife® Au-rA	A4160701	5ml
	A4160702	25ml
	A4160703	100ml
	A4160704	500ml
	A4160705	1L
	A4160706	5L
	A4073107	10L

*Production date: See label*

*Service life: 5 years, under proper storage conditions*

Manufacturer: Sunresin New Materials Co. Ltd.

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