

## Sepharose CL-4B

### Product Information

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**Cat#No#**                      Se-501C

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### Product Overview

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Sepharose CL-4B is a well-proven cross-linked agarose size exclusion chromatography base matrix and is frequently used for coupling affinity ligands to the matrix. The matrix is not pre-activated and the user performs all steps in coupling.

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### Description

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Sepharose is a spherical agarose-based size exclusion chromatography matrix. Sepharose is available with 3 different agarose contents; 2, 4, and 6%, designated Sepharose 2B, Sepharose 4B and Sepharose 6B respectively. Both Sepharose and Sepharose CL have broad fractionation ranges which makes them suitable for characterizing or cleaning-up samples containing components of diverse molecular weight.

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### Characteristic

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4% cross-linked agarose size exclusion chromatography resins.

Proven base matrix for coupling affinity ligands.

Higher degree of crosslinking improve matrix stability.

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### Maximum operating pressure

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80-150 cm/h, pressure drop cm H<sub>2</sub>O/bed height=15, bed height 10 cm, column 5 cm i.d.

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### Matrix

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cross-linked agarose, 4%, spherical

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### Recommended flow rate

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< 26 cm/h

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### Recommended column height

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10 cm

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### pH working range

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3–13

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## Sepharose CL-4B

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**CIP stability**

2–14

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**Autoclavable**

Autoclavable, 20 min at 120°C in pH 7.

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**Storage**

4 to 30°C, 20% Ethanol

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**Equilibration**

Before applying the sample, equilibrate the column with at least two column volumes of the eluent to be used in the separation, or until the baseline is stable. Longer equilibration might be needed with detergent solutions. Equilibration is not needed between runs with the same eluent.

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**Regeneration**

Regeneration is normally performed by washing with 2 to 3 column volumes of buffer, followed by re-equilibration in the new buffer (if changing conditions).

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**Sanitization**

Wash the column with 0.5 M NaOH

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**Sterilization**

Autoclavability 20 min at 120°C in phosphate buffer, pH 7.

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**Pack size**

1 L

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