

ReliChrom™ SP400/SS

Lot. E905C126

Column dimensions:

Internal Diameter i.d.	0.8 cm
Length	10 cm
Area	0.5 cm ²
Resin volume	5 ml
Theoretical plates N	1640 m ⁻¹
Asymmetry A _s	0.95

Experimental conditions

Sample	100 µl 1% Acetone (v/v)
Mobile phase	50 mM TRIS/HCl, 0.9% NaCl, pH 8.0
Flow velocity	1.25 ml/min

Instructions for use

Preliminary set up:

- Rinse the chromatographic system circuit with DI water;
- After the removal of the upper stopper of the ReliChrom™ column, connect it to the chromatographic unit;
- Remove the bottom stopper of ReliChrom™ column and connect the column outlet to the specific device of your chromatographic system (Detectors, fraction collector...).

Operation mode:

- wash out the conditioning solution with 10 BV of DI water;
- start the equilibration with the desired buffer solution at an appropriate linear flow rate;
- run the chromatographic separation according to your individual protocol at the same flow rate as in the previous step;
- if necessary, perform a regeneration step following the instructions here below:
 - Condition the resin with 1 BV of NaOH 0.5 M
 - Displace the base with 2 BV of DI water
 - Regenerate with 1 – 1.5 BV HCl 0.5 M
 - Displace the acid with 2 BV of DI water
 - Condition the resin with 2 BV NaCl 0.5 – 1M
 - Rinse with 5 – 10 BV of DI water

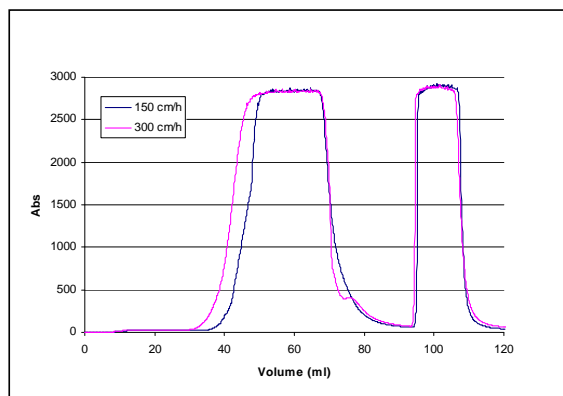
Lysozyme capacity vs linear velocity

Feed solution: 8 g/l Lysozyme in 20 mM sodium acetate buffer, pH 5

Buffer equilibration: 6 BV sodium acetate buffer 20 mM, pH 5

Displacement: 6 BV sodium acetate buffer 20 mM, pH 5

Elution: 6 BV sodium acetate buffer 20 mM, pH 5 + NaCl 1M



Notice:

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