Relichrom™ CM400/SS

Lot. E003C056

Column dimensions:

Internal Diameter i.d.	**0.8 cm**
Lenght	**10 cm**
Area	**0.5 cm^2**
Resin volume	**5 ml**
Theoretical plates N	**1715 m^{-1}**
Asymmetry A_s	**1.14**

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…).

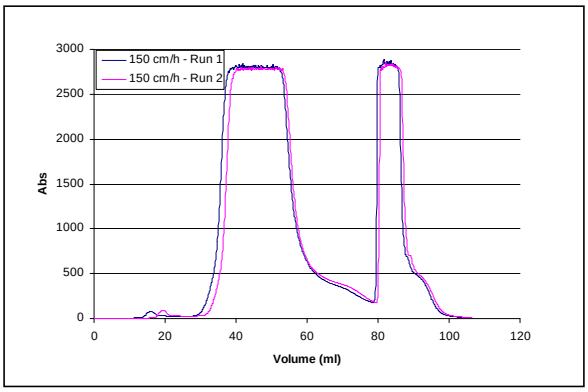
Operation mode:

- 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
  - 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



Via Roma, 55 – 20082 Binasco (MI) Italy **Phone**: 0039.02.900130221 – 223 **Fax**: 0039.02.90090774
e-mail: info@resindion.com – www.resindion.com