ReliChrom™ QA400/SS

Lot. E905A146

Column dimensions:

Internal Diameter i.d.	**0.8 cm**
Lenght	**10 cm**
Area	**0.5 cm^2**
Resin volume	**5 ml**
Theoretical plates N	**1458 m^{-1}**
Asymmetry A_s	**1.19**

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…).

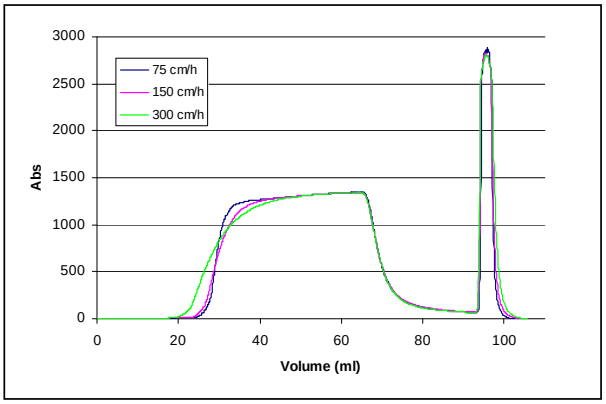
Operation mode:

- 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:

  - Regenerate with 1 ÷ 1.5 BV of NaOH 0.5 ÷ 1 M
  - Displace the regenerant with 2 BV of DI water
  - Condition the resin with 2 BV NaCl 0.5 ÷ 1M
  - Rinse with 5 – 10 BV of DI water

BSA capacity vs linear velocity

Feed solution: 10 g/l BSA in 20 mM TRIS-HCl buffer pH 7
Buffer equilibration: 6 BV of 20 mM TRIS HCl buffer pH 7
BSA loading: 12 BV
Displacement: 6 BV of 20 mM TRIS HCl buffer pH 7
Elution: 6 BV of TRIS-HCl buffer pH 7 + 4 BV of NaCl 2M



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