

# ReliChrom™ QA400/SS

Lot. E905A146

## Column dimensions:

Internal Diameter i.d.	0.8 cm
Length	10 cm
Area	0.5 cm <sup>2</sup>
Resin volume	5 ml
Theoretical plates N	1458 m <sup>-1</sup>
Asymmetry A <sub>s</sub>	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

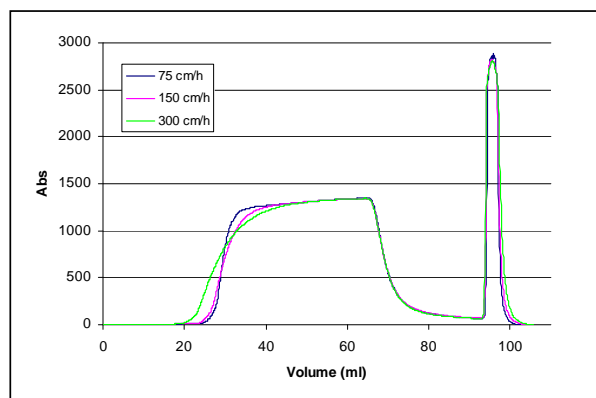
**Feed solution:** 10 g/l BSA in 20 mM TRIS-HCl buffer pH 7

**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



### Notice:

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