

# ReliChrom™ PH400/SS

Lot. E907P186

**Column dimensions:**

<b>Internal Diameter i.d.</b>	<b>0.8 cm</b>
<b>Length</b>	<b>10 cm</b>
<b>Area</b>	<b>0.5 cm<sup>2</sup></b>
<b>Resin volume</b>	<b>5 ml</b>
<b>Theoretical plates N</b>	<b>1366 m<sup>-1</sup></b>
<b>Asymmetry A<sub>s</sub></b>	<b>1.11</b>

**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:

- Wash the resin with 2 BV of DI water
- Clean the resin with 1 BV of NaOH 0.5 M in DI water or in 10-40% alcohol solution
- Displace NaOH solution with 2 BV of DI water
- Rinse with 5 BV of DI water

**BSA capacity vs linear velocity**

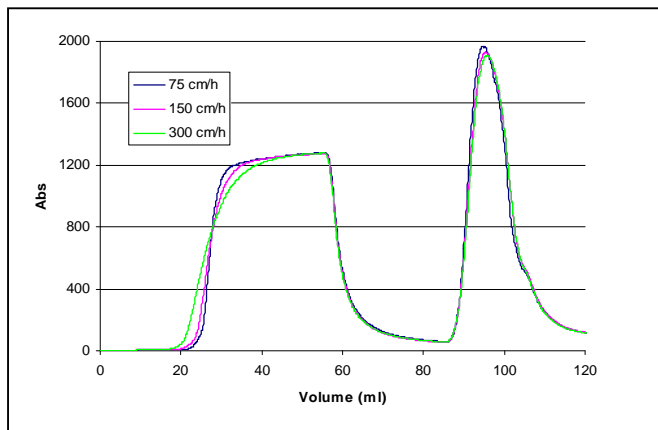
**Feed solution:** 10 g/l BSA in 20 mM phosphate buffer pH 7 + (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 2M

**Buffer equilibration:** 6 BV of 20 mM phosphate buffer pH 7 + (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 2M

**BSA loading:** 10 BV

**Displacement:** 6 BV of 20 mM phosphate buffer pH 7 + (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 2M

**Elution:** 4 BV of 20 mM phosphate buffer pH 7



Notice:

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