

ReliChrom™ BU400/SS

Lot. E905P125

Column dimensions:

| | |
|--------------------------|----------------------|
| Internal Diameter i.d. | 0.8 cm |
| Length | 10 cm |
| Area | 0.5 cm ² |
| Resin volume | 5 ml |
| Theoretical plates N | 1798 m ⁻¹ |
| Asymmetry A _s | 0.81 |

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

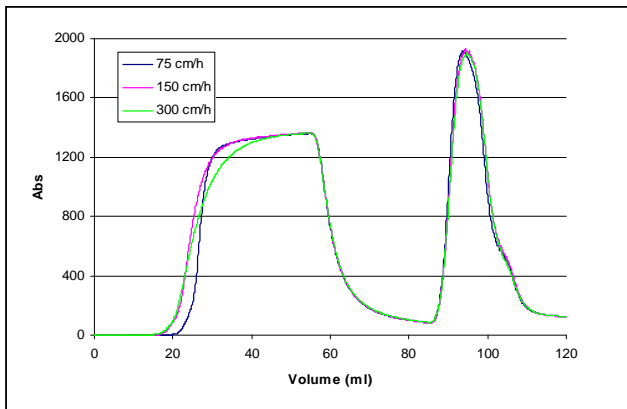
Feed solution: 10 g/l BSA in 20 mM phosphate buffer pH 7 + (NH₄)₂SO₄ 2M

Buffer equilibration: 6 BV of 20 mM phosphate buffer pH 7 + (NH₄)₂SO₄ 2M

BSA loading: 10 BV

Displacement: 6 BV of 20 mM phosphate buffer pH 7 + (NH₄)₂SO₄ 2M

Elution: 4 BV of 20 mM phosphate buffer pH 7



Notice:

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