

## SOURCE 15RPC ST

### Product Information

**Cat#No#** SO-304P

### Product Overview

Source 15RPC ST 4.6/100 is a prepacked stainless steel column which provides fast, high-capacity preparative protein purification with reversed phase chromatography.

### Description

SOURCE 15RPC is based on rigid, monosized 15 µm diameter polystyrene/divinyl benzene beads. The matrix has outstanding selectivity for RPC. The monodispersity of the beads yields stable beds, low back pressures and excellent results at high flow rates. With its high physical and chemical stability and very high batch-to-batch reproducibility, SOURCE 15RPC is well suited for all stages of an industrial scale operation - from research and process development through scale-up and into production. SOURCE 15RPC offers properties superior to those of other polymeric matrices.

### Characteristic

Wide pH range (1-12), outstanding selectivity, chemical resistance, high capacity, and high resolution at high flow rates.

Excellent scalability, from RESOURCE to FineLINE columns.

Using ÄKTA design and other high-performance liquid chromatography systems.

### Maximum operating pressure

40 bar [4 MPa] (580 psi)

### Matrix

Spherical and monodisperse, porous, rigid, polystyrene/divinyl benzene particles.

### Average particle size

~ 15 µm

### Dynamic binding capacity

~ 18 mg BSA/mL resin; ~ 14 mg Bacitracin/mL resin; ~ 45mg insulin/mL resin.

### Recommended flow rate

## SOURCE 15RPC ST

0.5 ml/min - 2.5 ml/min

---

### Chemical stability

Stable to commonly used buffers, 1.0 M HCl, 1.0 M HCl/90% methanol, 90% acetic acid, 6 M guanidine hydrochloride, 100% propanol, 100% ethanol, 100% methanol, 100% acetone, 0.45 M NaOH/40% isopropanol, 1.0 M NaOH, 0.1% TFA in water, 0.1% TFA in acetonitrile, 100% isopropanol, 100% tetrahydrofuran

---

### pH working range

2 to 12

---

### CIP stability

1 to 14

---

### Storage

4 to 30°C, 20% Ethanol or 70% Acetonitrile.

---

### Shipping

20% ethanol

---

### Pack size

1

---

### Dimensions

4.6 × 100 mm

---

### Column volume

1.7 ml

---

### Column i.d.

4.6 mm

---