

SOURCE 15RPC

Product Information

Cat#No# SO-472C

Product Overview

Source 15RPC is designed for reversed phase chromatography (RPC) with full pH range stability and suitable for polishing steps in industrial processes requiring high flow velocities and low back-pressure.

Description

SOURCE 15RPC is based on a 15 µm, monosized, rigid polystyrene/divinyl benzene matrix. This gives low back pressures and high flow rates during operation allowing for high productivity. The 15 µm bead size allows for very high resolution chromatography steps.

Characteristic

Mono-sized 15 µm rigid beads gives low back pressures and high flow rates allowing for high productivity. Designed for high resolution reversed phase chromatography of proteins, peptides and oligonucleotides. High chemical stability allowing for wide range of working conditions with good resistance to cleaning conditions at high pH BioProcess resin supported for industrial applications.

Maximum operating pressure

400 cm/h, 1000 kPa, FineLINE 100 column, bed height 10 cm, i.d. 10 cm

Matrix

Polystyrene/divinyl benzene

Average particle size

~15 µm monosized

Ligand

Matrix surface

Dynamic binding capacity

~10 mg BSA /mL resin at 300 cm/h, ~30 mg bacitracin/mL resin at 300 cm/h, ~50 mg insulin/mL resin at 300 cm/h.

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Recommended column height

10 cm

Chemical stability

Stable in commonly used aqueous buffers 1.0 M HCl, 1 M NaOH, 1 M HCl/ 90% methanol, 90% HAc, 0.45 M NaOH/40% 2-propanol, 6 M guanidine hydrochloride, n-propanol, 20% ethanol, acetone.

pH working range

1–12

CIP stability

1–14

Temperature stability

4°C to 40°C

Autoclavable

20 min at 121°C

Storage

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

Shipping

20% ethanol

Pack size

200 mL

BioProcess resin

Yes
