

RESOURCE ISO

Product Information

Cat#No# ISO-183P

Product Overview

RESOURCE ISO are prepacked SOURCE 15 ISO (isopropyl) columns for purification of proteins and peptides with hydrophobic interaction chromatography (HIC). For fast, high-resolution purifications, RESOURCE columns are excellent choice for polishing and removal of trace impurities.

Characteristic

High performance at low back pressure, even with high sample load of up to 25 mg of protein. Hydrophobic ligand (isopropyl) coupled to the 15 µm monodispersed rigid polystyrene/divinylbenzene matrix. Designed for low- to medium- pressure systems ranging from a peristaltic pump to ÄKTA design and FPLC Systems.

RESOURCE HIC columns are available with ether, isopropyl, or phenyl. Generally, RESOURCE PHE will have the strongest hydrophobicity followed by RESOURCE ISO and RESOURCE ETH, successively.

Maximum operating pressure

15 bar [1.5 MPa] (217 psi)

Matrix

Monodisperse polystyrene/divinyl benzene beads

Average particle size

15 µm

Dynamic binding capacity

At least 25 mg albumin/ml

Recommended flow rate

0.8-4.8 ml/min

Recommended column height

30 mm

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Chemical stability

Stable in 1M HCl, 2 M NaOH, 100% isopropanol, 10% isopropanol/ 0.5 M NaOH, 20% ethanol (both tested at 40°C for 7 days) and in all commonly used aqueous buffers.

pH working range

2 to 12

CIP stability

1 to 14

Storage

4°C to 30°C, 20% Ethanol

Elution buffer

50 mM phosphate buffer, pH 7.0.

Pack size

1 mL

Maximum flow velocity

9.6 ml/min

Dimensions

6.4 × 30 mm

Column volume

1 ml

Column i.d.

6.4 mm
