

ReliSorb™ IDA

Highly Porous Hydrophilic Packing Material



Product Features

Matrix	Highly porous polymethacrylate
Appearance	White opaque spherical beads
Functional group	Iminodiacetic, Na form
Dynamic Binding Capacity (DBC)	min. 10 mg/ml (Papaine ^a)
pH stability range	1 – 14
Temperature stability range	2 – 60 °C
Recommended storage temperature	2 – 30 °C

^a Feed solution: 20 g/l Papaine crude extract in 20 mM phosphate buffer, pH 7.2 + NaCl 200 mM; flow rate = 150 cm/h

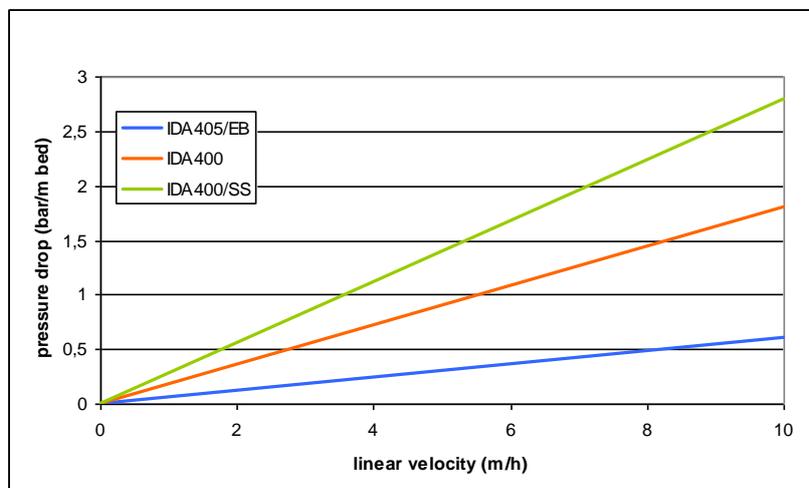
Application

Chelating resin for metal affinity chromatography of proteins containing histidine residues.

Name	Particle Size Range (μm)	Mean diameter (μm)
ReliSorb™ IDA400/SS (*)	50 – 150	90
ReliSorb™ IDA400	75 – 200	120
ReliSorb™ IDA405/EB	200 – 500	300

(*) also available in 0.8 x 10 cm **ReliChrom™** prepacked columns with 5 ml net volume and in Ni²⁺ ionic form.

Pressure drop in water at 25°C



Typical purification example: His-tagged enzyme purification from Escherichia coli lysate

Column dimensions:

25.2 mm i.d. x 285 mm

Resin loaded with NiCl₂

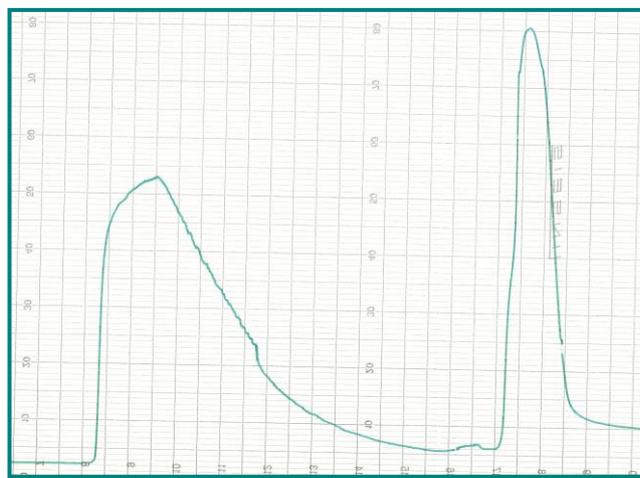
Sample loading:

Up-flow loading of lysate from Escherichia Coli diluted in water + NaCl 0.5 M

Buffer elution:

Down-flow elution of 20 mM phosphate buffer pH 7.2 + imidazole 0.5 M

Temperature: 25 °C



Green line: Elution profile of the sample loaded

Remarks

Wear safety glasses and gloves during the resin handling.
Refer to the Safety Data Sheet for all details.

Notice:

All the data and suggestions made herein are based upon our research and are believed to be accurate. However, no guarantee is made or implied since conditions and methods of use of our products are beyond our control. Our products are sold on the conditions that the user will evaluate himself, as well as our formulas and recommendations, to determine their suitability for his own purpose. Also, statements as to the use of our products are not to be construed as recommendations for their use in the infringements of any patent.