

ReliSorb™ DA

Highly Porous Hydrophilic Packing Material



Product Features

Matrix	Highly porous polymethacrylate
Appearance	White opaque spherical beads
Functional group	Diethylamino, free base form
Ion Exchange Capacity	min 0.3 (meq/ml)
pH stability range	1 – 14
Temperature stability range	2 – 60°C
Recommended storage temperature	2 – 30°C

Application

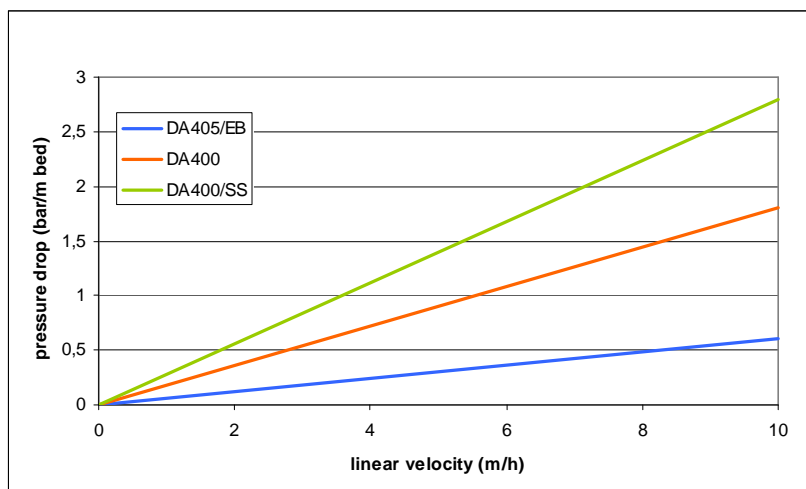
Anion exchange chromatography for the separation and purification of biomolecules (proteins, antibodies, etc.)

Available grades

Name	Particle Size Range	Mean diameter
ReliSorb™ DA400/SS ^(*)	50 – 150 µm	90 µm
ReliSorb™ DA400	75 – 200 µm	120 µm
ReliSorb™ DA405/EB	200 – 500 µm	300 µm

^(*) also available in 0.8 x 10 cm ReliChrom™ prepacked columns with 5 ml net volume; see the separate documentation.

Pressure drop in deionized water at T = 25°C



Typical purification example: phaseolamin (α -amylase inhibitor) purification

Column dimensions:

8 mm i.d. x 100 mm

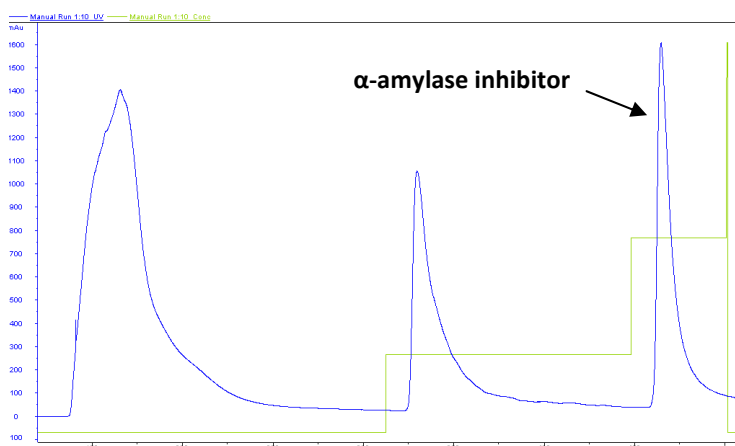
Sample loading:

Phaseolamin from bean flour extract, raw solution

Buffer elution:

Step gradient of phosphate buffer 20 mM pH 7.2, with NaCl 0.1, 0.5 M

Temperature: 25 °C



Blue line: Elution profile; **Green line:** buffer elution profile

Remarks

The products are delivered suspended in 20% EtOH aqueous solution with NaCl (final concentration 150 mM).
Wear safety glasses and gloves during handling the packing.
Refer to the Material 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.