

ReliSorb™ OD

Highly Porous Hydrophilic Packing Material



Product Features

Matrix	Highly porous polymethacrylate
Appearance	White opaque spherical beads
Functional group	Octadecyl
Active Group Concentration	15 - 20 µmol/ml
pH stability range	1 - 14
Temperature stability range	2 - 60°C
Recommended storage temperature	2 - 30°C

Application

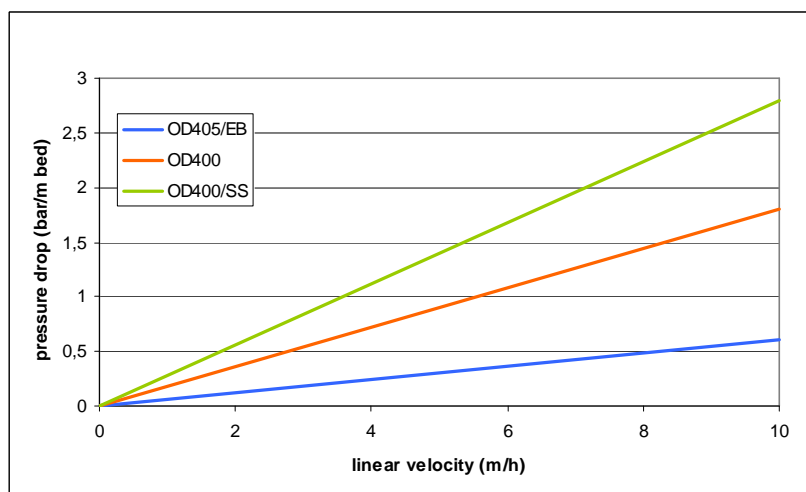
Hydrophobic interaction chromatography for the purification of biomolecules (proteins, antibodies, etc.)

Available grades

Name	Particle Size Range	Mean diameter
ReliSorb™ OD400/SS ^(*)	50 - 150 µm	90 µm
ReliSorb™ OD400	75 - 200 µm	120 µm
ReliSorb™ OD405/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



Example of purification of Lipozyme (Novozyme)

Column dimensions:

16 mm i.d., 16 ml bed volume

Sample loading:

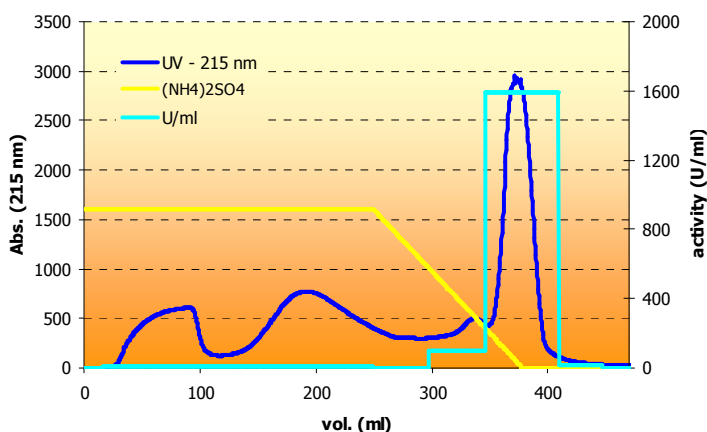
solid sample dissolved in
20 mM phosphate buffer
pH 7.0 + 2 M (NH₄)₂SO₄

Buffer elution:

linear gradient

Flow rate: 60 cm/h (2 ml/min)

Temperature: 25 °C



Blue line: elution profile; **Yellow line:** buffer elution gradient;
Green line: enzyme activity measurement using *p*-nitrophenyl butyrate as substrate

Remarks

The products are delivered suspended in 20% EtOH aqueous solution.

Wear safety glasses and gloves during handling the packing.

Refer to the Material Safety Data Sheet for all details.

Notice:

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