

# ReliSorb™ BU

## Highly Porous Hydrophilic Packing Material



### Product Features

Matrix	Highly porous polymethacrylate
Appearance	White opaque spherical beads
Functional group	Butyl
Dynamic Binding Capacity (DBC)	min. 30 mg/ml (BSA <sup>a</sup> )
pH stability range	1 – 14
Temperature stability range	2 – 60 °C
Recommended storage temperature	2 – 30 °C

<sup>a</sup> Feed solution: 10 g/l BSA in 20 mM phosphate buffer, pH 7 + (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 2 M; flow rate = 150 cm/h

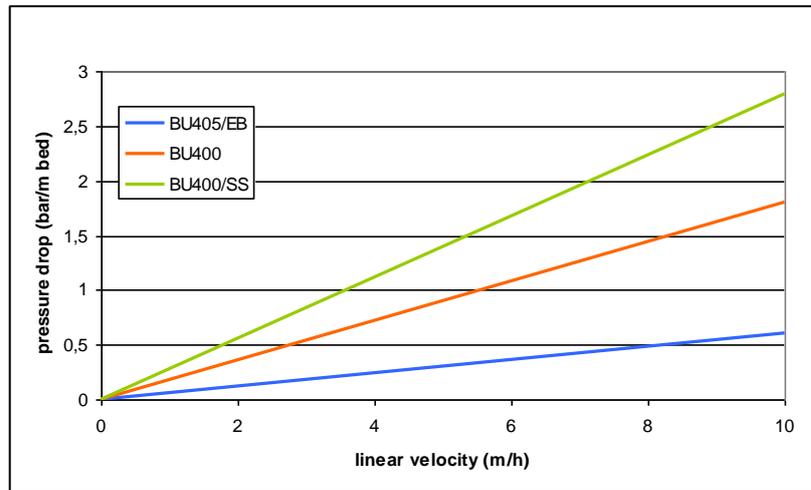
### Application

Hydrophobic interaction resin for biomolecules purification.

<i>Name</i>	<i>Particle Size Range (µm)</i>	<i>Mean diameter (µm)</i>
<b>ReliSorb™ BU400/SS</b> (*)	50 – 150	90
<b>ReliSorb™ BU400</b>	75 – 200	120
<b>ReliSorb™ BU405/EB</b>	200 – 500	300

(\*) also available in 0.8 x 10 cm **ReliChrom™** prepacked columns with 5 ml net volume.

## Pressure drop in water at 25°C



## Example of purification of Lipase PS

Column dimensions:

16 mm i.d., 16 ml bed volume

Sample loading:

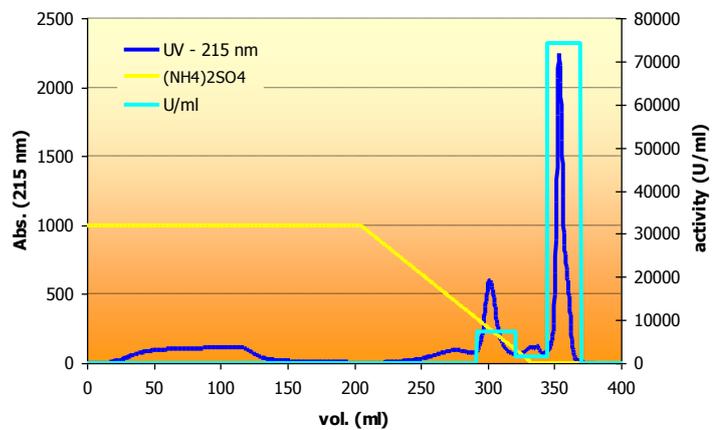
solid sample dissolved in 20 mM phosphate buffer pH 7.0 + 2 M (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>

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

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

### Notice:

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