GALAB Technologies GmbH
Am Schleusengraben 7
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Germany

Product description

for AffiSep® Lectin adsorbents *

Product description:
AffiSep® Lectin adsorbents are designed for the analysis, separation and purification of glycoproteins and other glycoconjugates containing lectin-specific carbohydrate residues. Lectin adsorbents should be used with the corresponding optimized adsorption and elution buffers. They are ready-to-use and facilitate lectin affinity separations of glycoproteins in a simple way for fast and reproducible results.

Content:
1 x AffiSep® Lectin adsorbent

Column Specifications:
Pore diameter : 1000 Å
Particles: 75 µm mean diameter

Cat.No.	Product description	Lectin	Covalently immobilized lectin [mg/ mL adsorbent]	Amount of bound glycoprotein [µg/ 0.6 mL adsorbent]	Size
121031 121032	AffiSep® WGA Adsorbent	*Triticum vulgaris*	~6	≥ 100	5 mL 10 mL
121041 121042	AffiSep® ConA Adsorbent	*Canavalia ensiformis*	~15	≥ 150	5 mL 10 mL
121051 121052	AffiSep® LCH Adsorbent	*Lens culinaris*	~3	≥ 135	5 mL 10 mL
121061 121062	AffiSep® PNA Adsorbent	*Arachis hypogaea*	~3	≥ 125	5 mL 10 mL
121071 121072	AffiSep® AIL Adsorbent	*Artocarpus integrifolia*	~3	≥ 215	5 mL 10 mL
121123 121121	AffiSep® SNA Adsorbent	*Sambucus nigra*	~3	≥ 50	2 mL 5 mL
121131 121132	AffiSep® MAL Adsorbent	*Maackia amurensis*	~3	≥ 125	5 mL 10 mL
121151 121152	AffiSep® GNA Adsorbent	*Galanthus nivalis*	~3	≥ 200	5 mL 10 mL
121163 121161	AffiSep® ECL Adsorbent	*Erythrina cristagalli*	~5	≥ 100	2 mL 5 mL

Storage:
- Lectin adsorbents should be stored equilibrated in adsorption buffer containing sodium azide at 4 °C.

Handling of buffers and samples:
- All buffer solutions should be filtered through 0,2 µm.
- All samples should be solved in adsorption buffer and filtered through 0,2 µm.

Operational conditions for Lectin adsorbents:
Max. adsorbent backpressure: 100 PSI (7 bar)
Range of pH: AffiSep® Lectin adsorbents can be operated between pH 4.0 and pH 8.0

Please contact for orders and technical support:
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Cleaning conditions:
Specifically bound substances can be eluted from the column using the elution buffer. In some cases there might be unwanted unspecific adsorption of contaminants. Then there are the following possible methods for cleaning the lectin columns to remove strongly bound contaminants:

- 2 M NaCl in Adsorption buffer
- 0,5 % Octylglucopyranoside in Adsorption buffer
- 10% Methanol in Adsorption buffer
- 0,1% Triton X-100 in Adsorption buffer
- 0,1 M Acetic acid; 0,1 M NaCl; pH 3.0

Apply these cleaning conditions no longer than 20 minutes to the lectin column.
After application of one of these steps it is advisable to equilibrate the column with adsorption buffer for at least 1 hour.

* for research, laboratory and in vitro use only