

## Product description

### for AffiSep<sup>®</sup> Lectin Small Scale Affinity SPE cartridges\*

#### Product description:

AffiSep<sup>®</sup> Lectin Small Scale Affinity cartridges are designed for the convenient separation and purification of small quantities of glycoproteins and other glycoconjugates containing lectin-specific carbohydrate residues. Lectin cartridges should be used with the corresponding optimized adsorption and elution buffers. This equipment facilitates lectin affinity separations of glycoproteins in a simple way for fast and reproducible results.

#### Delivery Contents:

2 x AffiSep<sup>®</sup> Lectin SPE Cartridges

1 x Fittings set: 1 cartridge adapters, 1 cap and 1 luer plug for each SPE

#### Cartridge Specifications:

Cartridge volume: 3 mL

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
061032	AffiSep <sup>®</sup> WGA SPE cartridge	<i>Triticum vulgare</i>	~6	≥ 100	2 x 0.50 mL
061042	AffiSep <sup>®</sup> ConA SPE cartridge	<i>Canavalia ensiformis</i>	~15	≥ 150	2 x 0.50 mL
061052	AffiSep <sup>®</sup> LCH SPE cartridge	<i>Lens culinaris</i>	~3	≥ 135	2 x 0.50 mL
061062	AffiSep <sup>®</sup> PNA SPE cartridge	<i>Arachis hypogaea</i>	~3	≥ 125	2 x 0.50 mL
061072	AffiSep <sup>®</sup> AIL SPE cartridge	<i>Artocarpus integrifolia</i>	~3	≥ 215	2 x 0.50 mL
061082	AffiSep <sup>®</sup> VVL SPE cartridge	<i>Hairy vetch</i>	~3	-	2 x 0.50 mL
061092	AffiSep <sup>®</sup> AAL SPE cartridge	<i>Aleuria aurantia</i>	~3	-	2 x 0.50 mL
061122	AffiSep <sup>®</sup> SNA SPE cartridge	<i>Sambucus nigra</i>	~3	≥ 50	2 x 0.50 mL
061132	AffiSep <sup>®</sup> MAL SPE cartridge	<i>Maackia amurensis</i>	~3	≥ 125	2 x 0.50 mL
061142	AffiSep <sup>®</sup> UEA SPE cartridge	<i>Ulex europaeus</i>	~3	-	2 x 0.50 mL
061152	AffiSep <sup>®</sup> GNA SPE cartridge	<i>Galanthus nivalis</i>	~3	≥ 200	2 x 0.50 mL
061162	AffiSep <sup>®</sup> ECL SPE cartridge	<i>Erythrina cristagalli</i>	~6	≥ 100	2 x 0.50 mL

#### Storage:

- Lectin cartridges should be stored in appropriate buffer at 4 °C.

Please contact for orders and technical support:

GALAB Technologies GmbH

Tel: +49 / (0)4152 / 889 400

Fax: +49 / (0)4152 / 889 401

Date: 10.07.2009

[info@galab.de](mailto:info@galab.de) / [www.galab.de](http://www.galab.de)

**SPE operational conditions:**

- The adsorbent is stored in adsorption buffer. Before applying the sample remove the yellow cap and the luer plug from the cartridge.
- Wash the adsorbent with three column volumes of adsorption buffer.
- Apply the sample to a cartridge and wash the adsorbent with adsorption buffer with 8-10 mL.
- Then elute bound compounds with 6 mL of elution buffer B1.
- After all regenerate the adsorbent with three column volumes of adsorption buffer.

Range of pH: AffiSep<sup>®</sup> Lectin SPE cartridges can be operated between pH 4.0 and pH 8.0.

**Cleaning:**

Possible methods for cleaning the lectin cartridges to remove strongly bound contaminants:

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

Apply these cleaning conditions no longer than 20 minutes to the lectin column. Re-equilibrate immediately with 5 column volumes of adsorption buffer after any of these steps.

\* for research, laboratory and in vitro use only; not for drug or diagnostic use, food or food additives, household or other uses

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