

## Product description

### for AffiSep<sup>®</sup> Lectin Adsorption and Elution Buffers\*

#### Product description:

Adsorption buffers are carefully selected and tested for each lectin. Elution buffers are optimized for defined applications and recommended for each lectin. In some cases different elution buffers are available for one lectin. The carbohydrate concentration can be different for high and low affinity interactions or even different sugars are available for an improved elution specificity and efficiency.

The more complimentary the elution sugar is to the lectin binding site the higher is the affinity towards it and the concentration for desorption of the glycoproteins can be reduced. Dependent on the strength of binding of the glycoprotein you can choose between more or less 31 concentrated elution buffers.

Besides of some exceptions, the buffers are available as dry substance.

Cat. No.	Buffer	Description	Amount
091180	Adsorption Buffer Bis-Tris, solid	Bis-Tris buffer pH 6.0	1000 ml
091181	Adsorption Buffer HEPES, solid	HEPES buffer pH 8.0	1000 ml
101033	WGA Elution Buffer B 1, solid	N-Acetylglucosamine	500 ml
101034	WGA Elution Buffer B 2, liquid	N,N''-Diacetylchitobiose	5 ml
101035	WGA Elution Buffer B 2, liquid	N,N''-Diacetylchitobiose	10 ml
101043	ConA Elution Buffer B 1, solid	Mannose	500 ml
101046	ConA Elution Buffer B 2, solid	Methylmannose	500 ml
101053	LCH Elution Buffer B 1, solid	Methylmannose	500 ml
101063	PNA Elution Buffer B 1, solid	Galactose	500 ml
101065	PNA Elution Buffer B 2, solid	Methylgalactose	250 ml
101066	PNA Elution Buffer B 2, solid	Methylgalactose	500 ml
101075	AIL Elution Buffer B2, solid	Methylgalactose	100 ml
101076	AIL Elution Buffer B2, solid	Methylgalactose	250 ml
101086	VVL Elution Buffer B 2, liquid	N-Acetylgalactosamine	50 ml
101092	AAL Elution Buffer B 1, solid	L-Fucose	100 ml
101123	SNA Elution Buffer B 1, solid	Lactose	500 ml
101161	SNA Elution Buffer B 2, liquid	Sialyllactose	5 ml
101162	SNA Elution Buffer B 2, liquid	Sialyllactose	10 ml
101133	MAL Elution Buffer B 1, solid	Lactose	500 ml
101142	UEA Elution Buffer B 1, solid	L-Fucose	100 ml
101153	GNA Elution Buffer B 1, solid	Methylmannose	500 ml
101182	ECL Elution Buffer B 1, solid	Methylgalactose	100 ml
101183	ECL Elution Buffer B 1, solid	Methylgalactose	250 ml

#### Contents:

1 x Adsorption buffer: Dry substance in a plastic bottle

1 x Elution buffer: Dry substance in a plastic bottle

and/ or

1 x Elution buffer: ready-to-use, stabilized

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**Preparation of buffers:**

- Adsorption buffer: The content of the bottle is to be dissolved completely in deionized water like described on the affixed label and will yield buffered saline at 20 °C. Do not adjust pH.
- Elution buffer B: The content of the bottle is to be dissolved completely like described on the affixed label and will yield buffered saline containing the required elution sugar at 20 °C. Do not adjust pH.
- For further applications filter the prepared buffer solutions through 0,2 µm.

**Storage:**

- Add 0,02 % sodium azide to the prepared buffer solutions and store them at 4 °C.
- Stabilized buffer solutions are stable for at least 6 weeks.

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