

NAP™ Columns

ORDERING INFORMATION

Product	Quantity	Code Number	Price	
NAP-5 Columns	20	17-0853-01	\$105	<input type="button" value="add to cart"/>
NAP-5 Columns	50	17-0853-02	\$226	<input type="button" value="add to cart"/>
NAP-10 Columns	20	17-0854-01	\$116	<input type="button" value="add to cart"/>
NAP-10 Columns	50	17-0854-02	\$238	<input type="button" value="add to cart"/>
NAP-25 Columns	20	17-0852-01	\$141	<input type="button" value="add to cart"/>
NAP-25 Columns	50	17-0852-02	\$304	<input type="button" value="add to cart"/>

- ***For rapid and efficient purification of DNA and oligonucleotides (≥ 10-mers) in less than 15 minutes by gravity flow.***
- Prepacked with Sephadex™ G-25 DNA Grade in distilled water containing 0.15% Kathon CG/ICP Biocide.
- Available in three sizes depending on sample volume: 0.5 ml (NAP™-5), 1 ml (NAP™-10) or 2.5 ml (NAP™-25).
- Useful for small-scale purification, desalting and buffer exchange.

NAP™ Columns are disposable columns pre-packed with Sephadex™ G-25 DNA Grade and require only gravity to run. Each package includes a complete step-by-step protocol describing the fixed volumes needed for equilibration, washing and sample elution.

TECHNICAL SPECIFICATIONS

Choosing a NAP™ column and buffer volumes

Column Type	Sample Volume (ml)	Equilibration Buffer (ml)	Elution Buffer (ml)
NAP™-5	0.1	0.4	0.5
	0.25	0.25	0.7
Max. vol.	0.5	0	1.0
NAP™-10	0.75	0.25	1.2
	1.0	0	1.5
Max. vol.	1.0	0	1.5
NAP™-25	1.5	1.0	2.5
	2.0	0.5	3.0
Max. vol.	2.5	0	3.5

Disposable PD-10 Desalting Columns

ORDERING INFORMATION

Product	Quantity	Code Number	Price	
Disposable PD-10 Desalting Columns	30	17-0851-01	\$156	<input type="button" value="add to cart"/>
Empty Disposable PD-10 Columns	50	17-0435-01	\$93	<input type="button" value="add to cart"/>

- **Fast, affordable, high recovery desalting and buffer exchange; packed with Sephadex™ G-25 Medium.**
- Process sample volumes up to 2.5 ml by gravity flow.
- Easy to use—equilibrate; apply sample; elute.
- Desalt multiple samples.
- Empty PD-10 columns are recommended for use with bulk media for affordable and versatile sample preparation.

In just four easy steps, PD-10 columns can be used to rapidly desalt samples:

1. Remove top and bottom cap and cut the end of the column tip.
2. Equilibrate the column with approximately 25 ml of the final desired buffer solution.
3. Apply up to 2.5 ml sample to the column.
4. Elute desalted high molecular weight components (e.g. proteins) with buffer volumes of 3.5 ml or less, depending on sample size.

Prepacked Disposable Columns PD-10 are available in boxes of 30 columns. Each is packed in distilled water containing 0.15% Kathon CG as a preservative. The gel is held within two sintered polyethylene frits which have a pore size of 50–150 µm. The frits protect the gel from running dry under gravitational buffer flow. The outlets to the column are sealed with reusable caps.

TECHNICAL SPECIFICATIONS

Disposable PD-10 Desalting Columns

Bed volume	8.3 ml
Column material	Polypropylene barrel and frits
Void volume	2.5 ml
Sample volume	1.5–2.5 ml
Elution volume	2.5–3.5 ml
Exclusion limit (M_r)	5×10^3 globular protein
Chemical stability	Stable in all commonly used buffer systems
pH stability	2–13 (long and short term)

PD-10 columns offer an inexpensive and convenient alternative to lengthy and troublesome dialysis procedures. In minutes, biological samples are desalted and small molecular weight solutes are removed or exchanged with excellent recoveries of macromolecules.

PD-10 columns are gravity operated polypropylene syringe-like columns that contain Sephadex™ G-25 for rapid desalting and buffer exchange. Each PD-10 column contains approximately 8.5 ml of Sephadex™ G-25 Medium (with a bed height of 5 cm) and is capable of handling sample volumes up to 2.5 ml.