

# Protein Purification

## Gel filtration, desalting



### Zeba™ desalt spin columns, Thermo Scientific Pierce

**Thermo**  
SCIENTIFIC

NEW

PN

Exceptional desalting performance in a centrifuge format.

Thermo Scientific Zeba™ desalt spin columns are specially designed polypropylene centrifuge columns containing high performance Zeba™ resin, which offers excellent protein desalting with high recovery.

Low concentration (25µg/mL) protein samples desalt easily with good recovery. All column sizes achieve >95% retention of salts and other small molecules of less than 1,000MW and are optimised for use with proteins and other macromolecules >7,000MW.

The columns require no special chromatography equipment and no column preparation or equilibration.

The spin column method eliminates the need to wait for samples to emerge by gravity flow, allowing unambiguous fraction collection and multiple sample processing in less than 10 minutes.

Thermo Scientific Pierce Zeba™ 40K and 7K desalt resin performance. Sample volumes of 100µL of different compounds were processed with 0.5mL of two Zeba™ resins.

Component	Concentration loaded	Zeba™ 40K resin	Zeba™ 7K resin
NaCl (58.4Da)	1M	100	100
Dithiothreitol (154Da)	0.5M	100	99
Sulfo-NHS-LC-biotin (557Da)	0.27mM	88	87
Bacitran (1,200Da)	0.5mg/mL	97	79
Vitamin B12 (1,386Da)	0.5mg/mL	99	93

Catalogue No	Capacity, mL	Sample size, µL	Pack qty
<b>PN89882</b>	0.5	30 to 130	25
<b>PN89883</b>	0.5	30 to 130	50
<b>PN89889</b>	2	200 to 700	5
<b>PN89890</b>	2	200 to 700	25
<b>PN89891</b>	5	500 to 2,000	5
<b>PN89892</b>	5	500 to 2,000	25
<b>PN89893</b>	10	700 to 4,000	5
<b>PN89894</b>	10	700 to 4,000	25



### Zeba™ 40K MWCO desalt spin columns, Thermo Scientific Pierce

**Thermo**  
SCIENTIFIC

NEW

PN

Recommended for desalting proteins with molecular weights close to or greater than 40K.

Thermo Scientific Zeba™ spin desalting columns, 40K MWCO, are polypropylene centrifuge columns containing high performance Zeba™ desalting resin, which offers rapid protein desalting with high recovery.

- No screening fractions for protein or waiting for protein to emerge by gravity flow
- Exceptional protein recovery
- Easy-to-use with no cumbersome column preparation or equilibration
- Minimal sample dilution
- Available in various spin column sizes for processing 5µL to 4mL of sample

The easy-to-use spin column format dramatically improves processing time over standard drip column methodologies and provides a wide variety of sample processing formats, allowing multiple samples to be processed in as little as 8min.

Zeba™ desalting products provide >95% retention of salts and other small molecules (see Technical Specification table).

Thermo Scientific Pierce Zeba™ 40K and 7K desalt resin performance. Sample volumes of 100µL of different compounds were processed with 0.5mL of two Zeba™ resins.

Component	Concentration loaded	Zeba™ 40K resin	Zeba™ 7K resin
NaCl (58.4Da)	1M	100	100
Dithiothreitol (154Da)	0.5M	100	99
Sulfo-NHS-LC-biotin (557Da)	0.27mM	88	87
Bacitran (1,200Da)	0.5mg/mL	97	79
Vitamin B12 (1,386Da)	0.5mg/mL	99	93

Catalogue No	Description	MWCO, kDa	Pack qty
<b>PN87764</b>	Zeba micro desalt spin columns	40	25
<b>PN87765</b>	Zeba micro desalt spin columns	40	50
<b>PN87766</b>	Zeba desalt spin columns, 0.5mL	40	25
<b>PN87767</b>	Zeba desalt spin columns, 0.5mL	40	50
<b>PN87768</b>	Zeba desalt spin columns, 2mL	40	5
<b>PN87769</b>	Zeba desalt spin columns, 2mL	40	25
<b>PN87770</b>	Zeba desalt spin columns, 5mL	40	5
<b>PN87771</b>	Zeba desalt spin columns, 5mL	40	25
<b>PN87772</b>	Zeba desalt spin columns, 10mL	40	5
<b>PN87773</b>	Zeba desalt spin columns, 10mL	40	25