

# MD100

## Xpress Micro Dialyzer



### EASY HANDLING

- Ready-to-use
- Pipette in sample from the top of the device
- Scalable number of samples up to 96 samples in one deep-well plate



### AUTOMATABLE & EFFICIENT

- SBS compatible
- Reduced cost per test
- Up to 98% sample recovery

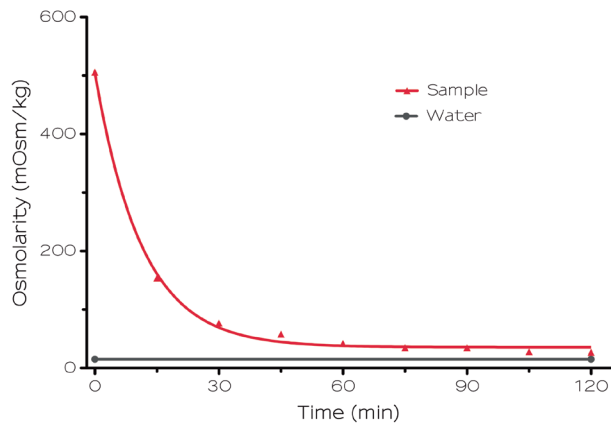


### MULTIFUNCTIONAL

- Protein and peptide sample purification
- Sample renaturation
- Re-buffering of protein samples
- In-vitro-translation
- Enzyme activity studies
- Binding studies
- Different cut-off sizes

# Technical Data

## Desalting by dialysis with MD100



**Figure 1**

Desalting by dialysis with scienova Xpress Micro Dialyzer MD100. Conditions: 100 µl sample (50 mM H<sub>2</sub>NaPO<sub>4</sub>/Na<sub>2</sub>HPO<sub>4</sub>, 150 mM NaCl, pH 7.4) were dialyzed against water (1.8 ml A. dest.) at 20 °C. Buffer was exchanged every 15 minutes. MD100 cartridge (MWCO 6–8 kDa) in 2.2 ml 96-deep well plate.

### customer feedback

We use the scienova Xpress Dialyzer MD100 to process our proteomics samples, e.g. for removal of modifying reagents before tryptic digestion. The easy handling and dialysis speed convinced us.

PD Dr. med. habil. Heidrun Rhode, Institute of Biochemistry, Universitätsklinikum Jena

### Product Specifications

Sample volume	10–100 µl	
Membrane material	low-binding regenerated cellulose	Bio-Xell® (biocellulose)
Cut-offs (MWCO)	2   3.5   6-8   12-14   20 kDa	140 kDa
Temperature	1-60 °C	1-60 °C
pH value	4-8	5-8
Autoclavable	yes	-
Microplate Standard (SBS)	compatible to 96 deep-well plate	

HANDLING VIDEO



[goo.gl/jnROnh](https://goo.gl/jnROnh)

### Products with MD100

- Single segments
- Cartridges
- Kits (cartridge(s) plus deep-well plate)
- Xpress Magnetic Mixing Dialysis Box
- GridKit48