

MD1000

Xpress Mini Dialyzer

EN



EASY HANDLING

- Ready-to-use
- Pipette in sample and remove test dialysate from the top of the device without removing sample cartridges
- Scalable number of samples up to 48 samples in one deep-well plate



AUTOMATABLE & EFFICIENT

- SBS compatible
- Reduced cost per test and increased test throughput
- Low protein binding for high recovery of test samples



MULTIFUNCTIONAL

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

Technical Data

Dialysis of p-nitrophenol in MD1000

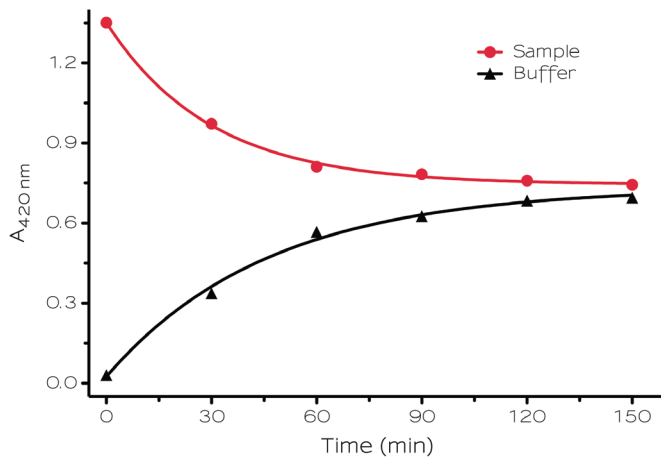


Figure 1

Removing of dye from scienova Xpress Mini Dialyzer MD1000. Conditions: 1 ml sample (1 mM p-nitrophenol in PBS buffer pH 7.4) were dialyzed against 2.7 ml PBS buffer pH 7.4 in 5 ml 48-deep well plates. The level of buffer in deep well plate was adjusted to the level of the sample in the Dialyzer device. MD1000 with MWCO 12–14 kDa, preincubated in buffer, performed at room temperature.

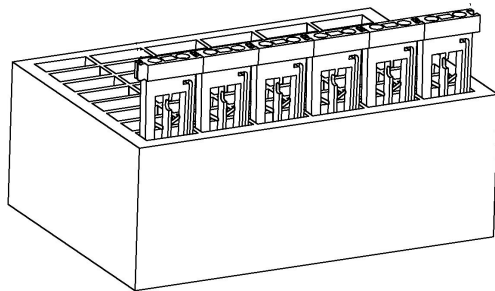


Figure 2
MD1000 cartridge in deep-well plate (Kit).

opening for loading
or removing sample

sample volume:
150 - 1000 µl

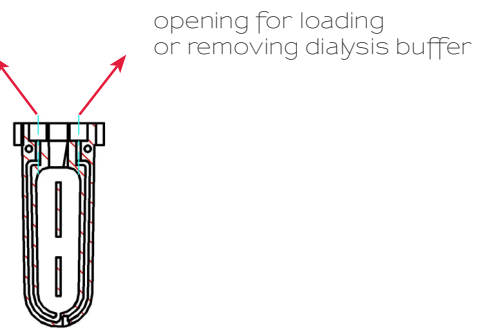


Figure 3

Two-channel solution of the Xpress Mini Dialyzer.

Product Specifications

Sample volume	150–1000 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 48 deep-well plate	



Products with MD1000

- Single segments
- Cartridges
- Kits (cartridge(s) plus deep-well plate)