

XDR-1

EN

Xpress Dialysis Reactor



EASY HANDLING

- Luer-Lock for flexible connection and sealing
- Use with 6 deep-well plate or floater
- Liquid Handling with disposable syringe



MULTIFUNCTIONAL

- Circulate and aerate the sample with a pump
- Sample mixture with disposable syringes
- Dialysis
- Different cut-off sizes



EFFICIENT

- Very high sample recovery up to 100%
- Sample volumes up to 19 ml
- Increased test throughput through parallel handling in 6 deep-well plate
- Reproducible dialysis

Technical Data

Efficient removing of dye from XDR by dialysis

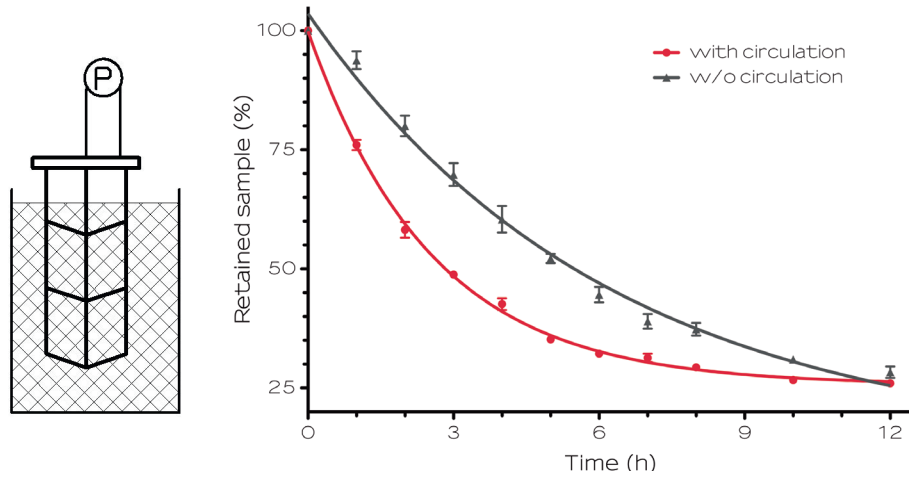


Figure 1

Removing of p-nitrophenole (0.5 mM in PBS buffer pH 7.4) from samples by dialysis with XDR devices. Samples in the XDR device were circulated with an equipment of tubes and peristaltic pump to improve dialysis velocity. Conditions: 15 ml sample (0.5 mM p-nitrophenole in PBS buffer pH 7.4) in XDR device (6–8 kDa). 50 ml PBS buffer pH 7.4 in 6-deep well plate. Performed at room temperature.

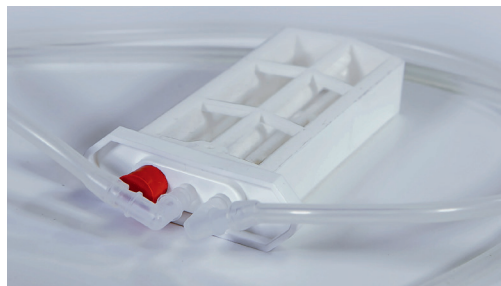


Figure 2

Connectivity possibilities of XDR (hose connection and plug)

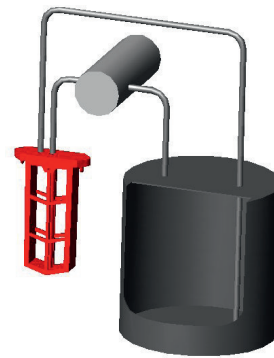


Figure 3

Circulation of dialysis with a bigger sample volume.

Product Specifications

Sample volume	1-19 ml
Membrane material	low-binding regenerated cellulose
Cut-offs (MWCO)	2 3.5 6-8 12-14 20 kDa
Temperature	1-60 °C
pH value	4-8
Autoclavable	yes
Microplate Standard (SBS)	compatible to 6 deep-well plate (80 ml)

Products with XDR

- Single Segment (incl. floater, plugs, syringe)
- Set (6 segments incl. floater plugs, syringes)
- Kit (6 segments incl. deep-well plate, plugs, syringes, sealing sheet)

XDR accessories

- Hose connection
- Plug (small or big)
- Straight connection
- Silicone tube
- deep-well plate + sealing sheet
- 20 ml syringes