

ED300

Xpress Equilibrium Dialyzer



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 96 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
- Binding studies
- Different cut-off sizes

Technical Data

Equilibrium Dialysis of plasma cortisol

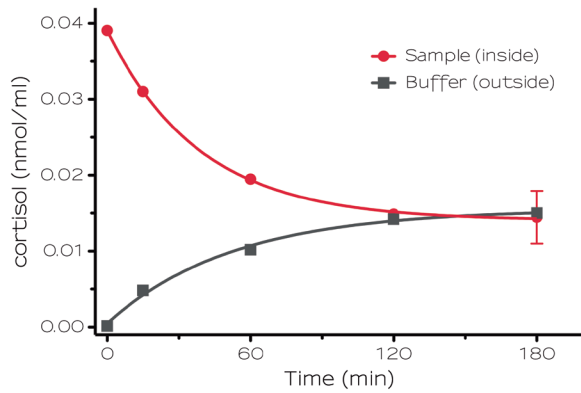


Figure 1

Course of cortisol concentration during equilibrium dialysis ED300 (6-8 kDa MWCO) and liquid handling device. Samples were taken from human plasma. Cortisol extraction and analysis with cortisol ELISA-Kit (Neogen).

Xpress Equilibrium Dialyzer ED300 cartridge (front view, top view)

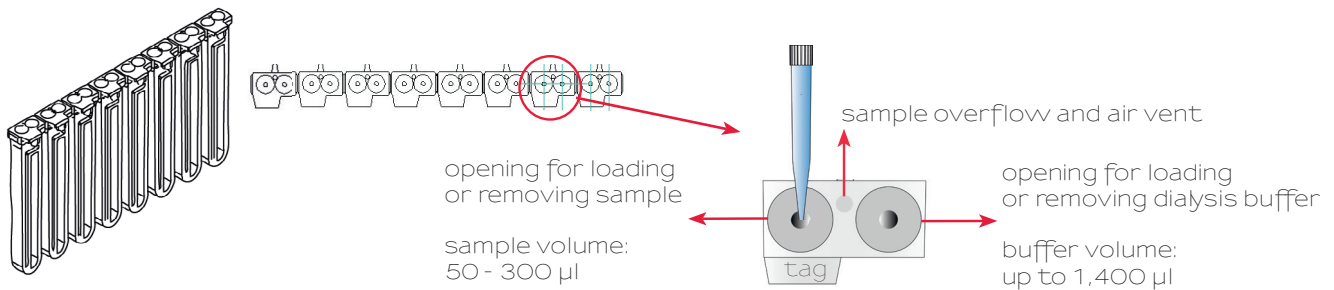


Figure 2

Two-channel solution of the Xpress Equilibrium Dialyzer.

Product Specifications

Sample volume	50–300 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	



Products with ED300

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