



Metrohm Low Volume Inline Dialysis

The most efficient way to clean up your samples from fats, proteins and other higher molecular compounds

HIGHLIGHTS

- Fully automated inline clean-up of complex sample matrices
- Reliable and faster than Carrez precipitation
- Ideal for milk products, body fluids, fruit juice concentrates, and more
- Increased sample throughput
- Cost efficient due to material, chemical, and time savings

Speed up your sample preparation!

Fats, proteins and other higher molecular compounds must be removed from your samples, before you can analyze them by ion chromatography. Often, this is done by Carrez precipitation. However, this is a rather complex manual procedure, which makes it time-consuming and prone to errors, not to mention the costs of the chemicals that are needed.

Metrohm Inline Dialysis ...

is a faster and fully automated alternative to Carrez precipitation. There, the low molecular target analytes pass through the membrane of a dialysis cell into the acceptor solution while the higher molecular components stay behind. The driving force of this stopped-flow technique is a concentration gradient. Target analytes pass through the membrane until an equilibrium is established on both sides of the membrane. Now, you can inject and analyze a clean sample preserving column performance and increasing column lifetime.

Low Volume Inline Dialysis: half the volume, half the time!

The design and performance of the dialysis cell was improved. By reducing the volume of the acceptor solution in the new cell, the concentration equilibrium is now established even faster along with a lower consumption of sample solution. As little as 5 mL of sample (previously 10 mL) are now sufficient to perform the complete dialysis within an overall time of only 5 minutes (previously 10 min).



Low Volume dialysis cell: the new design reduces the sample volume as well as the time required for dialysis by 50%.

ORDERING INFORMATION

Instruments	
6.2729.200	Low Volume dialysis cell
6.2057.130	Dialysis cell holder
6.2714.010	Dialysis membrane (cellulose acetate)
6.5330.200	IC equipment: Low Volume Inline Dialysis
6.2714.030	Dialysis membrane (polyamide)