



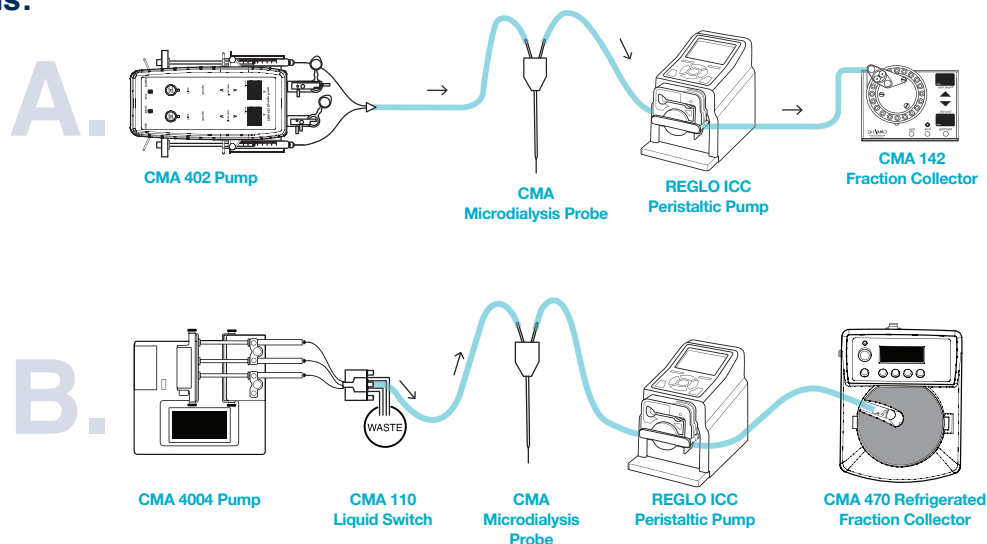
Monitoring of Large Molecules with New CMA Ultra-High Cut-off Probes for Rats or Mice.

Microdialysis is a bioanalytical sampling technique that allows continuous sampling of compounds from the interstitial fluid of living tissue.

The feasibility of using microdialysis to sample big molecules (such as proteins, cytokines and neuropeptides), presents numerous challenges due to the loss of perfusion fluid through the high molecular weight cut off dialysis membrane. We refer to this loss of perfusion fluid through the large size pores of a high molecular weight microdialysis probe as ultra-filtration.

One way to avoid ultra-filtration is to reduce the back pressure caused by the perfusion fluid coming from the probe inlet. We recommend using REGLO ICC Peristaltic Pump for Ultra-High Cut-off Probes. We have tested this pump to ensure that the minimum flow rate of the pump (0.1 $\mu\text{l}/\text{min}$) is accurate and that the 12 rollers provide a smooth flow. Flow rate and direction can be individually adjusted for each channel. The pump calibration is easy for the user. A ready to use peristaltic tubing kit is available for fast connection to microdialysis FEP tubing.

Setup Options:



Ordering Information:

Probes

	Ref.No.
CMA 7 500 kDa Microdialysis Probe, 1 mm, 3/pkg*	CMA 8012421
CMA 7 500 kDa Microdialysis Probe, 2 mm, 3/pkg*	CMA 8012422
CMA 7 2MDa Microdialysis Probe, 1 mm, 3/pkg*	CMA 8012423
CMA 7 2MDa Microdialysis Probe, 2 mm, 3/pkg*	CMA 8012424
CMA 11 500 kDa Microdialysis Probe, 1 mm, 3/pkg*	CMA 8012521
CMA 11 500 kDa Microdialysis Probe, 2 mm, 3/pkg*	CMA 8012522
CMA 11 500 kDa Microdialysis Probe, 3 mm, 3/pkg*	CMA 8012523
CMA 11 500 kDa Microdialysis Probe, 4 mm, 3/pkg*	CMA 8012524
CMA 11 2MDa Microdialysis Probe, 1 mm, 3/pkg*	CMA 8012525
CMA 11 2MDa Microdialysis Probe, 2 mm, 3/pkg*	CMA 8012526
CMA 11 2MDa Microdialysis Probe, 3 mm, 3/pkg*	CMA 8012527
CMA 11 2MDa Microdialysis Probe, 4 mm, 3/pkg*	CMA 8012528

Guides

	Ref.No.
CMA 7 Guide Cannula, 3/pkg*	CMA P000137
CMA 7 Guide Cannula, 30/pkg*	CMA P000138
CMA 11 Guide Cannula, 3/pkg*	CMA 8309017
CMA 11 Guide Cannula, 30/pkg*	CMA 8309018

*β –Irradiated Sterile Probes and Guides are available as Custom Orders.

Microdialysis Pumps

	Ref.No.
CMA 402 Pump with Accessory Kit	CMA 8003100
CMA 402 Pump	CMA 8003110
CMA 4004 Pump	CMA 400400
REGLO ICC 2 Channels 12 Rollers Peristaltic Pump*	750512

*4 channels are available on request.

Fraction Collectors

	Ref.No.
CMA 470 Refrigerated Fraction Collector	CMA 8002770
CMA 142 Microfraction Collector (230V)	CMA 8381142
CMA 142 Microfraction Collector (115V)	CMA 8381143

Accessories

	Ref.No.
Microsyringe 1 mL	CMA 8309020
Microsyringe 2.5 mL	CMA 8309021
Tubing Adapter, 10/pkg	CMA 3409500
FEP Tubing, 1 m, 1/pkg	CMA 3409501
FEP Tubing, 1 m, 10/pkg	CMA 8409501
FEP Tubing Connector Peristaltic Kit, 3/pkg	CMA 8012518
CMA 7 & 8 Probe Clip	CMA P000136
CMA 11 & 12 Probe Clip	CMA 8309013
CMA 110 Liquid Switch	CMA 8308200



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