



## Custom Made Probes

For all occasions when standard probes are not adequate

A variety of styles and sizes are available and should be chosen according to the physiochemical characteristics of recovered molecules, various organs, and biological species.

Customer specified style, shaft length, membrane type, membrane length.

	3/pkg	4-10/pkg	>10/pkg
CMA 7 Custom Made	8010391	8010392	8010393
CMA 11 Custom Made	8010394	8010395	8010396
CMA 12 Custom Made	8010397	8010398	8010399
CMA 20 Custom Made	8010400	8010401	8010402
CMA 30 Custom Made	8010498	8010499	8010500



## CMA 12 CMA 11 and CMA 7 Guide Cannula

Matched Guide Cannulae

CNS studies in conscious animals can be performed by implanting Intracerebral Guide cannula with dummy probes several days ahead of an experiment. When ready, the dummy probe can easily be exchanged for the microdialysis probe.

There is no need to cement or glue the probe.

Probe Guides	3/pkg	30/pkg
CMA 12 Guide Cannula	8309024	8309025
CMA 11 Guide Cannula	8309017	8309018
CMA 7 Guide Cannula	P000137	P000138

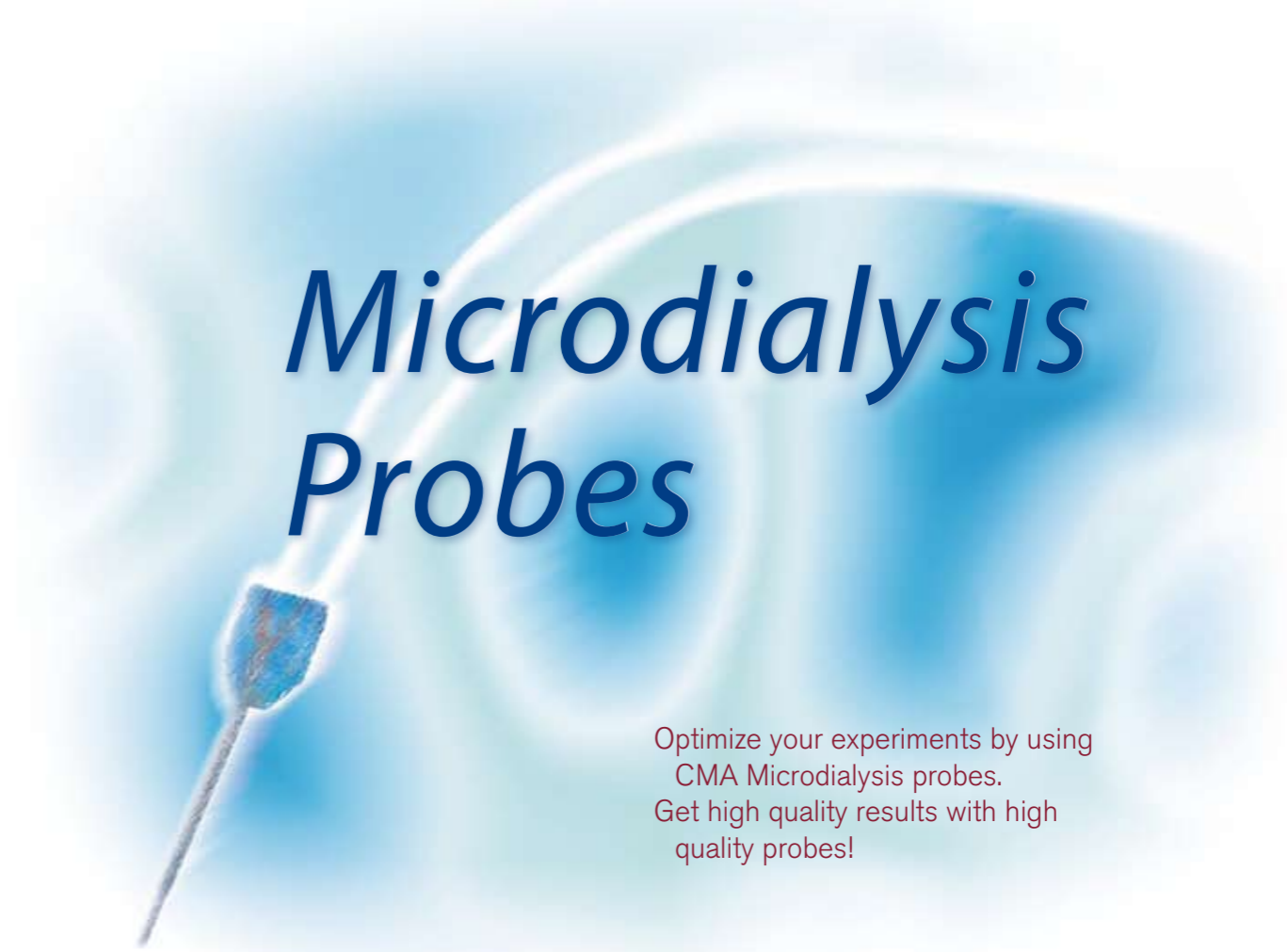
Optional Accessories

CMA 11 + 12 Clip	8309013
CMA 7 Clip	P000136
CMA Probe Shaft Clip	8309003
FEP Tubing 1 m	3409501
FEP Tubing 1m x 10/pkg	8409501
Tubing Adaptors, 10/pkg	3409500
Trephine Drill Bits, 3/pkg	7431058
Anchor Screw Drill Bits, 3/pkg	8003264
Anchor Screws, 100/pkg	7431021
Screw Driver Kit	8003267
Perfusion Fluid T1 5 mL, 10/pkg	P000034
Perfusion Fluid CNS 5 mL, 10/pkg	P000151
CMA/20 Split Tubing, 10/pkg	8309019

CMA Microdialysis AB  
Headquarters: Box 2, SE-171 18 Solna, Sweden, Tel: +46 8 470 10 00 Fax: +46 8 470 10 50  
E-mail: [CMA@microdialysis.se](mailto:CMA@microdialysis.se)

US Office: 73 Princeton Street, North Chelmsford, MA 01863, USA Tel: (800) 440-4980, (978) 251-1940  
Fax: (978) 251-1950, E-mail: [cma.usa@microdialysis.com](mailto:cma.usa@microdialysis.com)

Distributor



# Microdialysis Probes

Optimize your experiments by using CMA Microdialysis probes. Get high quality results with high quality probes!

8010246E  
Printed in Sweden - September 2008



## CMA 12 Microdialysis Probe

Optimized for CNS use  
Ideal for chronic implantation

The CMA 12 Microdialysis Probe is ideal for stereotaxic work in the CNS of anesthetized or conscious animals. This style of probe is available with either the polyarylethersulfone (PAES) membrane or the polyethersulfone (PES) membrane. The cut-offs of these membranes are 20,000 and 100,000 Daltons respectively, allowing them to be used in a wide range of applications. This probe should be used when the highest possible recovery and strength are required.

Scale 3:1

Membrane length PAES	1, 2, 3 and 4 mm
Membrane length PES	2, 3, and 4 mm
Membrane diameter	0.5 mm
Stainless-steel shaft diameter	0.64 mm
Shaft length	14 mm
Inlet internal volume	negligible
Outlet internal volume	3 µL

CMA 12 Microdialysis Probe, 3/pkg			
polyarylethersulfone (PAES)		polyethersulfone (PES)	
20 000 Daltons cut-off	Ref. No.	100 000 Daltons cut-off	Ref. No.
1 mm	8010431	2 mm	8309662
2 mm	8010432	3 mm	8309663
3 mm	8010433	4 mm	8309664
4 mm	8010434		



## CMA 11 Microdialysis Probe

For use in discrete brain regions

The CMA 11 Microdialysis Probe is ideal for CNS experiments in the brain or spinal cord of small animals and allows studies in discrete regions of the CNS. This probe causes less tissue damage due to its reduced diameter. It is available with a Cuprophane membrane, 6000 Daltons cut-off.

Scale 3:1

Membrane length Cuprophane	1, 2, 3 and 4 mm
Membrane diameter	0.24 mm
Stainless-steel shaft diameter	0.38 mm
Shaft length	14 mm
Inlet internal volume	negligible
Outlet internal volume	1 µL

CMA 11 Microdialysis Probe, 3/pkg cuprophane	
6000 Daltons cut-off	Ref. No.
1 mm	8309581
2 mm	8309582
3 mm	8309583
4 mm	8309584



## CMA 7 Microdialysis Probe

Especially suited for CNS in mice

The CMA 7 Microdialysis Probe is optimized for CNS studies in transgenic mice and with the coordinated guide cannula is ideal for chronic implantation. This probe is extremely small and lightweight, and the inlet and outlet tubes are securely fixed. Available with a Cuprophane membrane, 6000 Daltons cut-off.

Scale 3:1

Membrane length Cuprophane	1 and 2 mm
Membrane diameter	0.24 mm
Stainless-steel shaft diameter	0.38 mm
Shaft length	7 mm
Inlet internal volume	negligible
Outlet internal volume	0.3 µL
200 mm Inlet tubing (blue)	3.6 µL
200 mm Outlet tubing (transp.)	3.6 µL

CMA 7 Microdialysis Probe, 3/pkg cuprophane	
6000 Daltons cut-off	Ref. No.
1 mm	P000082
2 mm	P000083



## CMA 20 Microdialysis Probe

Designed for dialysis in blood vessels and peripheral tissues

The CMA 20 Microdialysis Probe is designed for use in peripheral tissues as well as in blood. It has a flexible non-metallic construction, available with membranes of either Polyarylethersulfone (PAES), 20 000 Daltons cut-off or Polyethersulfone (PES), 100 000 Daltons cut-off. Introducers and Split Tubings are included.

Scale 3:1

Membrane length PAES	4 or 10 mm
Membrane length PES	4 or 10 mm
Membrane diameter	0.5 mm
Probe length (shaft+membrane)	24 mm
Polyurethane shaft diameter	0.67 mm
Inlet internal volume	1.4 µL
Outlet internal volume:	
4 mm membrane	3.2 µL
10 mm membrane	2.6 µL
200 mm Inlet tubing (blue)	3.6 µL
200 mm Outlet tubing (transp.)	3.6 µL

CMA 20 Microdialysis Probe, 3 Probes + 3 Introducers + 9 Split Tubings/pkg			
polyarylethersulfone (PAES)		polyethersulfone (PES)	
20 000 Daltons cut-off	Ref. No.	100 000 Daltons cut-off	Ref. No.
4 mm	8010435	4 mm	8309670
10 mm	8010436	10 mm	8309671



## CMA 30 Linear Microdialysis Probe

Ideal for peripheral tissues

The CMA 30 Linear Microdialysis Probe is ideal for peripheral tissues as well as in tumors. The probe consists of tubing in which the middle part has a window with a membrane of 6 000 Daltons cut-off. Along the membrane a thin part of the tubing remains to increase the stability. The inlet has a Luer Lock connector which can be attached to a single use syringe or removed in order to use with a glass syringe with a fixed needle. The probe can be sterilized in its package with ethylene oxide.

Scale 1:3

Membrane length Cuprophane	10 mm
Membrane diameter	0.24 mm
Tubing material	Polyimide
Tubing ID/OD	0.28 mm/0.38 mm
Inlet and outlet lengths	245 mm
Double tubing OD	0.63 mm

CMA 30 Linear Microdialysis Probe + introducer needle, 4/pkg cuprophane	
6000 Daltons cut-off	Ref. No.
10 mm	8010460



## CMA 31 Linear Microdialysis Probe

For larger molecules in peripheral tissues

The CMA 31 Linear Microdialysis Probe is ideal for sampling larger molecules in peripheral tissues as well as in tumors. The probe is very thin, with a 10 mm membrane, 55 000 Daltons cut-off. This membrane allows studies on a wide range of substances. The probe is easy to implant using the introducer needle. The inlet has a Luer Lock connector which can be attached to a single use syringe or removed in order to use a glass syringe with a fixed needle. The probe can be sterilized in its package with ethylene oxide.

Scale 1:3

Membrane length PES	10 mm
Membrane diameter	0.26 mm
Tubing material	Polyimide
Tubing ID/OD	0.12 mm/0.19 mm
Inlet and outlet lengths	350 mm/100 mm
Double tubing OD	0.63 mm

CMA 31 Linear Microdialysis Probe + introducer needle, 4/pkg polyethersulfone	
55,000 Daltons cut-off	Ref. No.
10 mm	8010631