Microdialysis Probes

Optimize your experiments by using CMA Microdialysis probes.

Get high quality results with high quality probes!

cma

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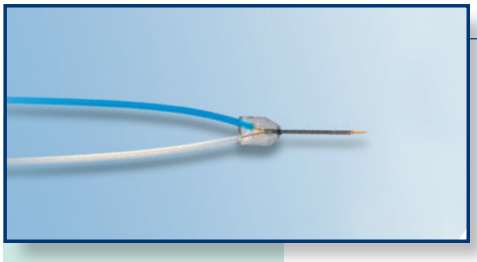


CMA 7 Microdialysis Probe

Ideal for CNS in Mice

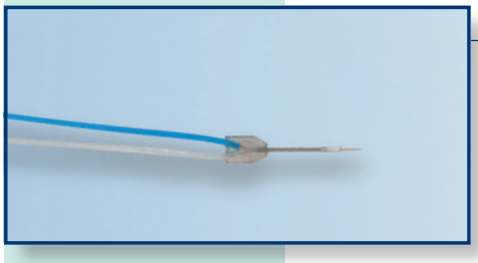
- Ideal for CNS Microdialysis in mice and very small animals.
- Small areas of the brain or spinal cord.
- Ideal for chronical implantation.
- Directly mounted Inlet and outlet tubing.
- Available metal free and β-irradiated.

Membrane material, Cut-off	Cuprophane, 6kDa
Membrane Length	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	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, 6kDa cut-off

Standard	Ref. No.	β-irradiated	Ref. No.	Metal Free	Ref. No.
1 mm	CMA P000082	1 mm	CMA 8010681	1 mm	CMA 8010771
2 mm	CMA P000083	2 mm	CMA 8010682	2 mm	CMA 8010772



CMA 8 Microdialysis Probe

Ideal for CNS in Mice, larger molecules

- Ideal for CNS Microdialysis in mice and very small animals.
- 20kDa and 100kDa membranes.
- Can be used for larger molecule studies.
- Metal free and β-irradiated options available as custom made probes

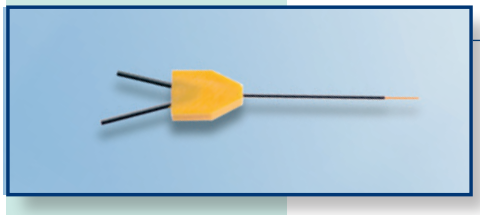
Membrane material, Cut-off	PAES, 20 kDa; PES, 100kDa
Membrane Length	1 and 2 mm
Membrane Diameter	0.5 mm
Stainless steel shaft diameter	0.4 mm
Shaft length	7 mm
Inlet internal volume	negligible
Outlet internal volume	3 µL
200 mm Inlet tubing (blue)	3.6 µL
200 mm Outlet tubing (transp.)	3.6 µL

CMA 8 Elite Microdialysis probe, 3/pkg

PAES, 20 kDa cut-off	Ref. No.
1 mm	CMA 8012201
2 mm	CMA 8012202

CMA 8 High Cut-Off Microdialysis probe, 3/pkg

PES, 100 kDa cut-off	Ref. No.
1 mm	CMA 8012301
2 mm	CMA 8012302



CMA 11 Microdialysis Probe

Ideal for CNS in Rats, discrete brain regions

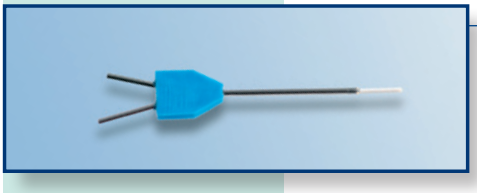
- Ideal for CNS Microdialysis in rats or small animals.
- Small diameter for discrete areas of the brain or spinal cord.
- High spatial resolution.
- Minimal tissue damage.

Membrane material, Cut-off	Cuprophane, 6kDa
Membrane Length	1, 2, 3 and 4 mm
Membrane Diameter	0.24 mm
Stainless steel shaft diameter	0.40 mm
Shaft length	14 mm
Inlet internal volume	negligible
Outlet internal volume	1 µL

CMA 11 Microdialysis probe, 3/pkg

Cuprophane, 6kDa cut-off

Standard	Ref. No.	β-irradiated	Ref. No.	Metal Free	Ref. No.
1 mm	CMA 8309581	1 mm	CMA 8011001	1 mm	CMA 8011081
2 mm	CMA 8309582	2 mm	CMA 8011002	2 mm	CMA 8011082
3 mm	CMA 8309583	3 mm	CMA 8011003	3 mm	CMA 8011083
4 mm	CMA 8309584	4 mm	CMA 8011004	4 mm	CMA 8011084



CMA 12 Microdialysis Probe

Ideal for CNS in Rats, large molecules

- Ideal for CNS Microdialysis in rats or small animals.
- Ideal for chronic implantation.
- Can be used for larger molecule studies.
- Available metal free.

Membrane material, Cut-off	PAES, 20 kDa; PES, 100kDa
Membrane Length	1, 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 Elite Microdialysis probe, 3/pkg

PAES, 20 kDa cut-off

Standard	Ref. No.
1 mm	CMA 8010431
2 mm	CMA 8010432
3 mm	CMA 8010433
4 mm	CMA 8010434

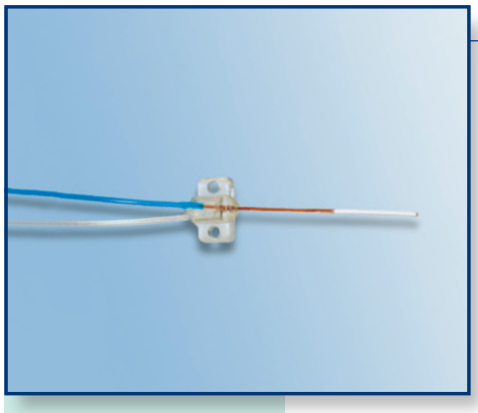
Metal Free	Ref. No.
1 mm	CMA 8011201
2 mm	CMA 8011202
3 mm	CMA 8011203
4 mm	CMA 8011204

CMA 12 High Cut-Off Microdialysis probe, 3/pkg

PES, 100 kDa cut-off

Standard	Ref. No.
1 mm	CMA 8309661
2 mm	CMA 8309662
3 mm	CMA 8309663
4 mm	CMA 8309664

Metal Free	Ref. No.
1 mm	CMA 8011221
2 mm	CMA 8011222
3 mm	CMA 8011223
4 mm	CMA 8011224



CMA 20 Microdialysis Probe

Designed for dialysis in blood vessels and peripheral tissues

- Flexible probe for peripheral tissues
- Ideal for dialysis in moving soft tissues (muscle, heart, skin and adipose tissue) as well as in blood, vitreous fluid of the eye, synovial fluid etc.
- Can be used for large molecule studies.
- Soft, non-metallic construction.
- Introducers and split tubing are included.

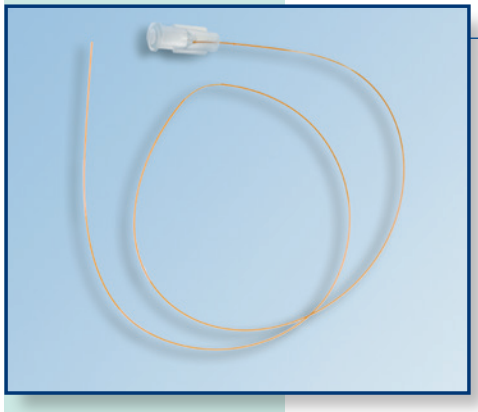
Membrane material, Cut-off	PAES, 20 kDa; PES, 100kDa
Membrane Length	4 and 10 mm
Membrane Diameter	0.5 mm
polyurethane shaft diameter	0.77 mm
Shaft + membrane length	24 mm
Inlet internal volume	1.4 µL
Outlet internal volume	3.2 µL (4 mm); 2.6 µL (10 mm);
200 mm Inlet tubing (blue)	3.6 µL
200 mm Outlet tubing (transp.)	3.6 µL

CMA 20 Elite Microdialysis probe, 3/pkg

PAES, 20 kDa cut-off	Ref No.
4 mm	CMA 8010435
10 mm	CMA 8010436

CMA 20 High Cut-Off Microdialysis probe, 3/pkg

PES, 100 kDa cut-off	Ref No.
4 mm	CMA 8309670
10 mm	CMA 8309671



CMA 30 Linear Microdialysis Probe

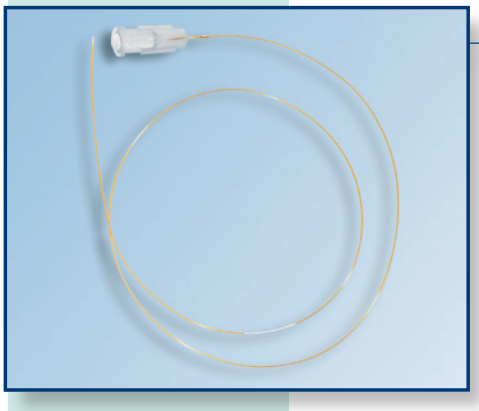
Ideal for peripheral tissues

- Ideal for peripheral tissues (skin, muscle, heart, adipose tissue, liver eye, pancreas) as well as spinal cord and tumors.
- Soft and flexible construction and easy implantation using the included introducer .
- Consists of tubing in which the middle part has a window with a membrane of 6 kDa cut-off. A thin part of the tubing remains along the membrane to increase the stability of the construction.
- 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.
- Can be sterilized in its package with ethylene oxide.

Membrane material, Cut-off	Cuprophane, 6 kDa
Membrane Length	10 mm
Membrane Diameter	0.24 mm
Tubing material	Polyimide
Tubing ID/OD	0.28/0.38 mm
Inlet lengths	250 mm
Outlet lengths	250 mm
Double tubing material	Polyurethane
Double tubing OD	0.63 mm
Double tubing length	12 mm

CMA 30 Linear Microdialysis probe, 4/pkg

Cuprophane, 6kDa cut-off	Ref No.
10 mm	CMA 8010460



CMA 31 Linear Microdialysis Probe

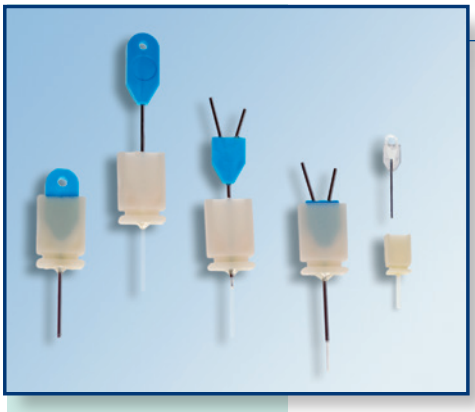
Ideal for peripheral tissue, large molecules

- Ideal for sampling larger molecules in peripheral tissues (skin, muscle, heart, adipose tissue, liver eye, pancreas) as well as spinal cord and tumors.
- Soft and flexible construction and easy implantation using the included introducer.
- Consists of tubing in which the middle part has a window with a membrane of 55 kDa cut-off. A thin part of the tubing remains along the membrane to increase the stability of the construction.
- 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.
- Can be sterilized in its package with ethylene oxide.

Membrane material, Cut-off	PES, 55 kDa
Membrane Length	10 mm
Membrane Diameter	0.26 mm
Tubing material	Polyimide
Tubing ID/OD	0.12/0.19 mm
Inlet lengths	350 mm
Outlet lengths	100 mm
Double tubing OD	0.63 mm
Double tubing length	12 mm

CMA 31 Linear Microdialysis probe, 4/pkg

PES, 55 kDa cut-off	Ref No.
10 mm	CMA 8010631



CMA 7, CMA 8, CMA 11, CMA 12 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
- Guide use allows longer post-surgical recovery
- Silicone coating prevents sticking
- Simple press-fit design to easily set probe
- Can be mounted to a stereotaxic instrument using a standard probe clip

	3/pkg	30/pkg
CMA 7 Guide Cannula	CMA P000137	CMA P000138
CMA 8 Guide Cannula	CMA 8012310	CMA 8012311
CMA 11 Guide Cannula	CMA 8309017	CMA 8309018
CMA 12 Guide Cannula	CMA 8309024	CMA 8309025
CMA 7 Guide β-irradiated	CMA 8010683	CMA 8010684
CMA 11 Guide β-irradiated	CMA 8011031	CMA 8011032
CMA 7 Guide Metal Free	CMA 8010773	N/A
CMA 11 Guide Metal Free	CMA 8011085	N/A
CMA 12 Guide Metal Free	CMA 8011205	CMA 8011206

Custom Made Probes & Guides

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 pkgs	4-10 pkgs	>10 pkgs
CMA 7 Probe Custom Made	CMA 8010391	CMA 8010392	CMA 8010393
CMA 8 Probe Custom Made	CMA 8012401	CMA 8012402	CMA 8012403
CMA 11 Probe Custom Made	CMA 8010394	CMA 8010395	CMA 8010396
CMA 12 Probe Custom Made	CMA 8010397	CMA 8010398	CMA 8010399
CMA 20 Probe Custom Made	CMA 8010400	CMA 8010401	CMA 8010402
CMA 30 Probe Custom Made	CMA 8010498	CMA 8010499	CMA 8010500

	3 pkgs	30 pkgs
CMA 7 Guide Custom Made	CMA 8010313	CMA 8010314
CMA 8 Guide Custom Made	CMA 8012404	CMA 8012405
CMA 11 Guide Custom Made	CMA 8309029	CMA 8309030
CMA 12 Guide Custom Made	CMA 8309008	CMA 8309009

Optional Accessories

CMA 11 & 12 Clip	CMA 8309013
CMA 7 & 8 Clip	CMA P000136
CMA Probe Shaft Clip	CMA 8309003
FEP Tubing 1 m	CMA 3409501
FEP Tubing 1m x 10/pkg	CMA 8409501
Tubing Adaptors, 10/pkg	CMA 3409500
Tubing Adaptors, Linear Probe 10/pkg	CMA 8010464
Trephine Drill Bits, 3/pkg	CMA 7431058
Anchor Screw Drill Bits, 3/pkg	CMA 8003264
Anchor Screws, 100/pkg	CMA 7431021
Screw Driver	CMA 8309673
Perfusion Fluid T1 5 mL, 10/pkg	CMA P000034
Perfusion Fluid CNS 5 mL, 10/pkg	CMA P000151
CMA/20 Split Tubing, 10/pkg	CMA 8309019

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