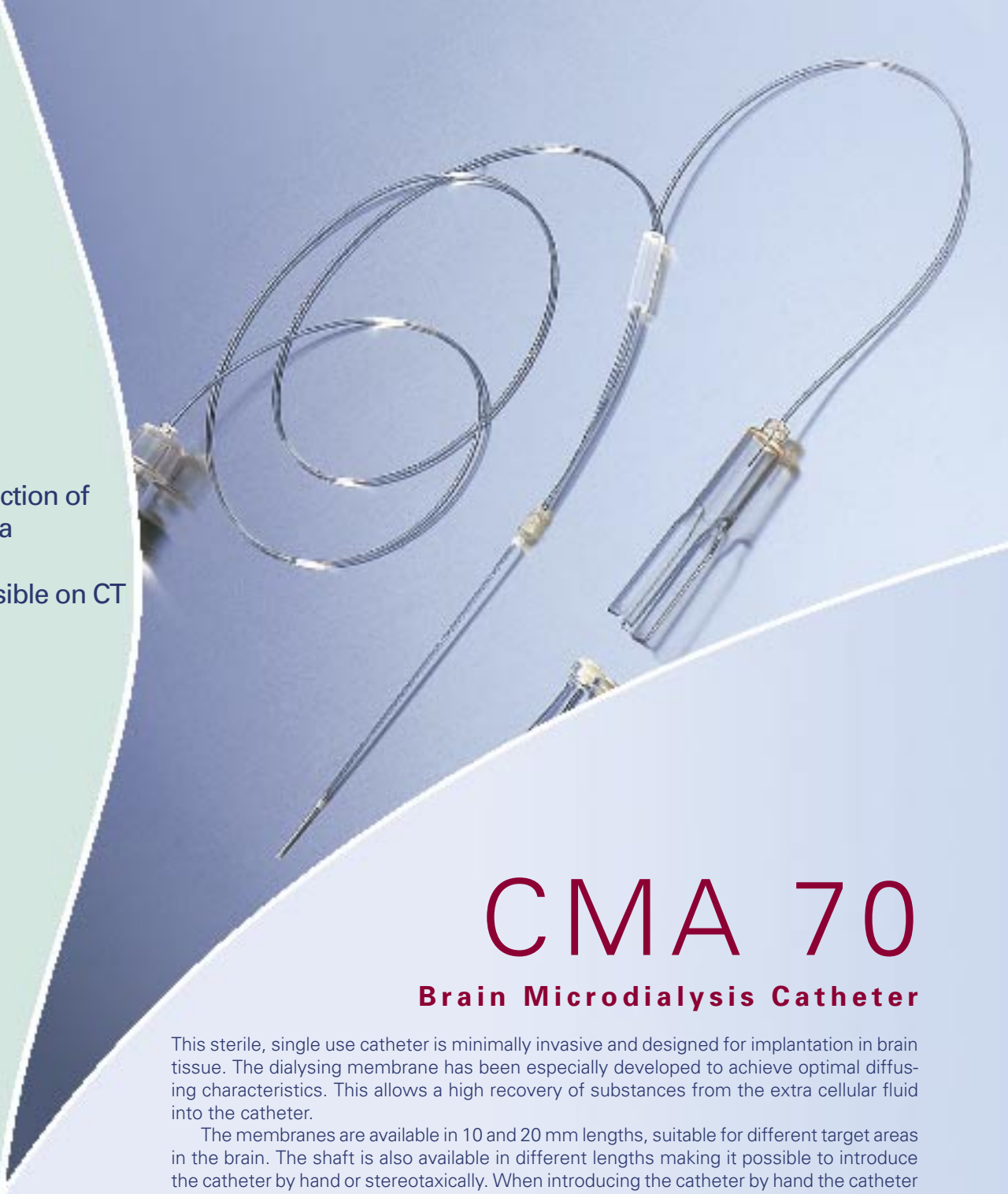
- For early detection of brain ischemia
- "Gold Tip" visible on CT



CMA 70

Brain Microdialysis Catheter

This sterile, single use catheter is minimally invasive and designed for implantation in brain tissue. The dialysing membrane has been especially developed to achieve optimal diffusing characteristics. This allows a high recovery of substances from the extra cellular fluid into the catheter.

The membranes are available in 10 and 20 mm lengths, suitable for different target areas in the brain. The shaft is also available in different lengths making it possible to introduce the catheter by hand or stereotaxically. When introducing the catheter by hand the catheter is tunnelated under the scalp with a tunnelating needle. It is then inserted with the help of special forceps into the brain tissue through a hole drilled in the skull.

The "Gold tip" makes the catheter visible on CT

The tip of the catheter contains a gold thread. The "Gold tip" is visible on CT-scanning and makes it possible to locate the exact position of the catheter.

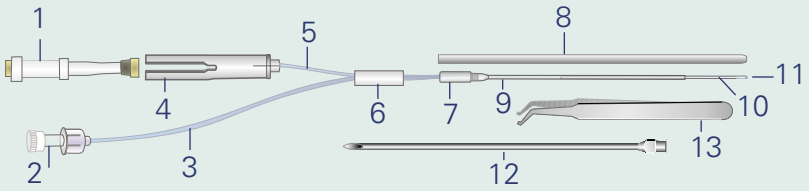
Early detection of local tissue ischemia

The CMA 70 Brain Microdialysis Catheter is connected to a CMA Microdialysis Pump. The outlet tube extends to a holder for a microvial that collects the dialysis sample. The microvials are usually changed every hour and the samples are transferred to and then analyzed in a CMA Microdialysis Analyzer. This provides an ideal clinical solution for early detection of ischemia in the brain.

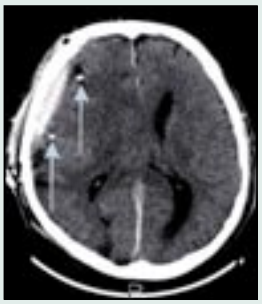
CMA/Microdialysis

www.microdialysis.com

Parts of the CMA 70 Brain Microdialysis Catheter



1. Microvial - accessory (polystyrene + santoprene)
2. Luer lock connection (polycarbonate)
3. Inlet tube (polyurethane)
4. Vial holder (polycarbonate)
5. Outlet tube (polyurethane)
6. Stopper (silicone)
7. Liquid cross (polysulfone)
8. Protection tube (polyethylene)
9. Shaft (polyurethane)
10. Dialysis membrane (polyamide)
11. Gold thread within the catheter tip
12. Tunnelating needle - accessory
13. Forceps - accessory



The distal part of the catheter has a gold thread (3 x 0.13 mm) within the catheter tip, which makes the catheter location in the tissue visible on CT

technical information

	material	length mm			Ø mm
		P000049	P000080	P000050	
shaft	polyurethane	60	60	100	OD 0.9
membrane	polyamide	10	20	10	OD 0.6
inlet tube	polyurethane	600	600	600	OD 1.0
outlet tube	polyurethane	220	220	220	OD 1.0

CE marked according to the Medical Device Directive, 93/42/EEC

STERILE R Sterilised by ß-radiation

Storage temperature: 4-25 °C

Single use only

ordering information

	Ref. No.
CMA 70 Brain Microdialysis Catheter 4/pkg	**P000049**
CMA 70 Brain Microdialysis Catheter 4/pkg	**P000080**
CMA 70 Brain Microdialysis Catheter 4/pkg	**P000050**

Accessories

Tunnelating needle	P000055
Forceps	P000056
Microvials 250/pkg	P000001
Microvial Rack 12/pkg	P000028
Microvials in rack, Sterile 12x4	P000154

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