

• For use in brain tissue

• "Gold tip" visible on CT

• 100 000 Dalton Cut-Off dialysis membrane

71 High Cut-Off Brain Microdialysis Catheter

Intended Purpose

The Brain Microdialysis Catheter is intended to enable microdialysis of the extracellular (interstitial) fluid of the brain tissue.

Minimally Invasive

The sterile, single use 71 High Cut-Off Brain Microdialysis Catheter is minimally invasive and designed for implantation in brain tissue. The most important characteristic of the catheter is the dialysing membrane that has pores big enough to allow diffusion of large molecules such as cytokines. The catheter is available in different membrane lengths 10 mm, 20 mm or 30 mm suitable for different target areas in the brain. When implanting the catheter it is first tunnelated under the scalp, then easily introduced into the brain using a special forceps through a hole drilled in the skull bone.

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.

Monitoring tissue chemistry

The 71 High Cut-Off Brain Microdialysis Catheter is connected to a Microdialysis Pump. To avoid ultrafiltration of the dialysis membrane, the catheter should be perfused with Perfusion fluid CNS Dextran. The outlet tube extends to a holder for a microvial that collects the dialysis sample.

The microdialysis samples can be analyzed in the ISCUS flex Microdialysis Analyzer for Glucose, Lactate, Pyruvate, Glycerol, Glutamate and Urea or sent to a clinical laboratory for analysis of large molecules such as cytokines.









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					
		8010320		8010331	8010337		
shaft	polyurethane	60		60	60	OD 0.9	
membrane	polyarylethersulphone,PAES	10		20	30	OD 0.6	
inlettube	polyurethane	600		600	600	OD1.0	
outlet tube	polyurethane	220		220	220	OD1.0	
membrane cut-off 100 000 Dalton							
Ordering information						Ref. No.	
71 High Cut-Off Brain Microdialysis Catheter 60/10 4/pkg						8010320	
71 High Cut-Off Brain Microdialysis Catheter 60/20 4/pkg						8010331	
71 High Cut-Off Brain Microdialysis Catheter 60/30 4/pkg						8010337	
Accessories/Consumables		Ref. No.			Ref. No.		
Tunnelating needle		P000055	106 Microdialysis Pump, 1pc		P000003		
Forceps		P000056	107 Microdialysis Pump, 1pc		P000127		
Microvials 250/pkg		P000001	106 Pump Syringe 20/pkg		8010191		
Microvial Rack 12/pkg		P000028	Battery 6V		8001788		
Microvials in rack, Sterile 12x4		P000154	Perfusion Fluid CNS DEXTRAN 2x7,5mL		8050151		
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STERILE R Sterilized by B-radiation

Storage temperature: 4-25 °C

Single use only

Last date of use

 CE_{2862} Fulfils EU Medical Device Regulation (MDR) 2017/745



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Medical Device

M Dialysis AB Hammarby Fabriksväg 43, SE-120 30 Stockholm, Sweden Tel: +46-8-470 10 20 Fax: +46-8-47010 55 www.mdialysis.com US Office: 73 Princeton Street, North Chelmsford, MA 01863 USA Tel: (866)868-9236 (978) 251-1940 Fax: (978) 251-1960 E-mail: usa@mdialysis.com