

- Approved for use in skin, adipose and resting skeletal muscle tissue
- Available with 20 000 or 100 000 Dalton Cut-Off

66 Linear Microdialysis Catheter

Intended purpose

The Linear Microdialysis Catheter is intended to enable microdialysis in skin, adipose and resting skeletal muscle tissues

Unique Linear Microdialysis catheter for clinical use

The 66 Linear Microdialysis Catheter is a minimally invasive, sterile single use device, indicated for Microdialysis monitoring in skin, adipose or resting skeletal muscle tissue. It has a new robust design with a high performance membrane.

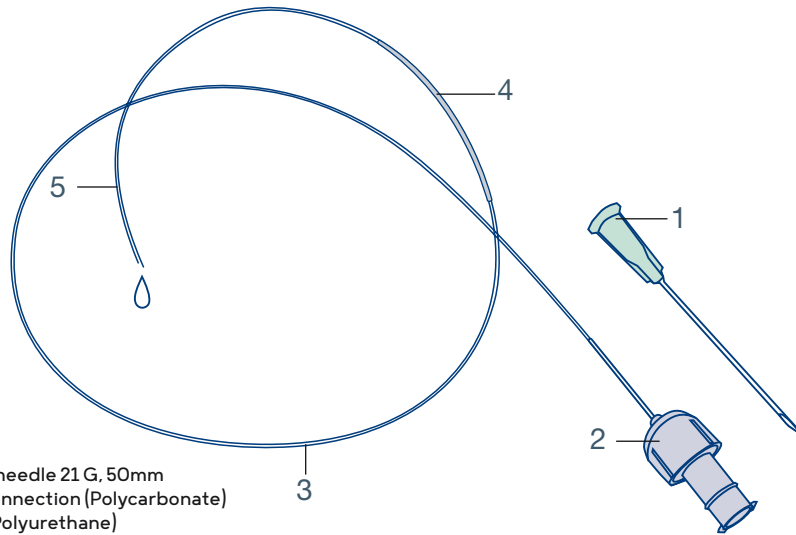
The catheter is available with 20 000 or 100 000 Dalton cut off membrane. It is suitable for many applications due to the linear design and the choice of low or high cut off membranes. It can be used for metabolic research, estimating the free fraction of a drug, pharmacokinetic and pharmacodynamic studies or monitoring inflammatory processes in vivo.

Easy to use

Insertion into the tissue is easily done with the help of a small needle introducer. The unique patented linear design makes the catheter robust and safe to use for several days. The two different dialyzing membranes have excellent diffusion characteristics, allowing a high recovery of substances in the extracellular fluid. When using the high cut off membrane we recommend perfusing the catheter with perfusion fluid containing high molecular weight substances for fluid balance and to avoid ultrafiltration (e.g 30 g Dextran 60/ 1000 mL or similar).

The catheter is connected to a Microdialysis Pump and samples are regularly collected. The new design gives the opportunity to collect samples in both plastic and glass microvials. The samples can be analyzed in the ISCUSflex Microdialysis Analyzer for Glucose, Lactate, Pyruvate, Glutamate, Glycerol and Urea or sent to the clinical laboratory for various analyses by methods such as ELISA or HPLC.

Parts of the 66 Linear Microdialysis Catheter



1. Introducer needle 21 G, 50mm
2. Luer lock connection (Polycarbonate)
3. Inlet tube (Polyurethane)
4. Dialysis membrane (Polyarylethersulphone)
5. Outlet tube (Polyurethane)

Technical information

	MATERIAL	LENGTH mm		Ø mm
		8010670/ 8010671	8010650/ 8010651	
membrane	Polyarylethersulphone, PAES	10	30	0.5
inlet tube	polyurethane	400	400	0.4
outlet tube	polyurethane	100	100	0.4
total length		≈500	≈500	

Membrane Cut-off: Approx. 20 000 Dalton or 100 000 Dalton

Ordering information

	Ref. No.
66 Linear Catheter, 30mm 20kD (4/pkg)* Including Needle Introducer	8010650
66 High Cut Off Linear Catheter, 30mm, 100kD (4/pkg)* Including Needle Introducer	8010651
66 Linear Catheter, 10mm, 20kD (4/pkg)* Including Needle Introducer	8010670
66 High Cut Off Linear Catheter, 10mm, 100kD (4/pkg)* Including Needle Introducer	8010671

*only produced by order

Accessories/Consumables

	Ref. No.		Ref. No.
Microvials 250/pkg	P000001	106 Pump Syringe 20/pkg	8010191
Microvial Rack 12/pkg	P000028	Battery 6V	8001788
Microvials in rack, Sterile 12x4	P000154	106 Microdialysis Pump, 1pc	P000127
Perfusion Fluid T1, 10x7,5mL	P000034	107 Microdialysis Pump, 1pc	P000003



Sterilized by β -radiation



Storage temperature: 4-25 °C



Single use only



Last date of use



Fulfils EU Medical Device Regulation (MDR) 2017/745



Medical device

8010622K, 2024-06-18