

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

66 Linear Microdialysis Catheter

Unique Linear Microdialysis catheter for clinical use

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

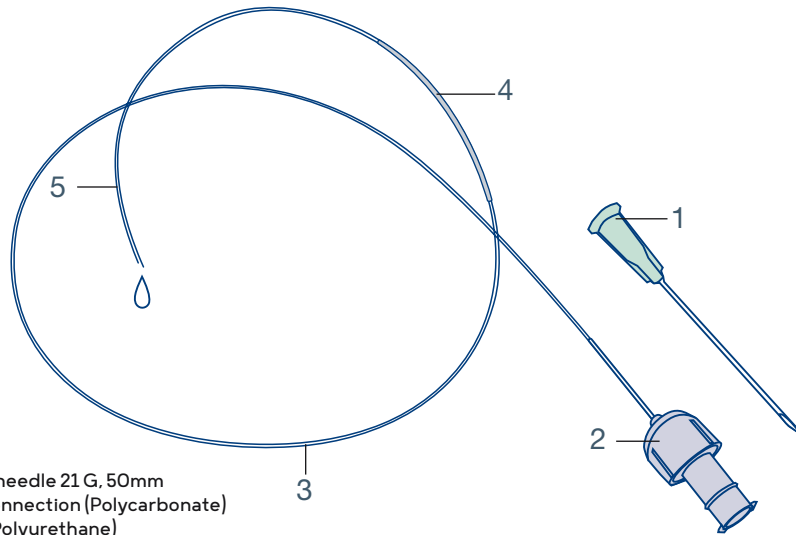
The catheter is available with 20,000 or 100,000 Daltons cut off membrane. It is suitable for many applications due to the linear design and the choice of low or high cut off membranes. It can be used for metabolic research, estimating the free fraction of a drug, pharmacokinetic and pharmacodynamic 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 30g Dextran 60/ 1000mL).

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 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 Daltons or 100,000 Daltons

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

| | 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 | P000034 | 107 Microdialysis Pump, 1pc | P000003 |

CE 0413 CE marked according to the Medical Device Directive, 93/42/EEC

STERILE | R

Sterilized by β -radiation



Storage temperature: 4-25 °C



Single use only



Shelf life: 2 years from the manufacturing date