

- Specially designed for Microdialysis
- Adjustable flow rate 0.1-5 $\mu\text{L}/\text{min}$.
- Portable, small and lightweight

107 Microdialysis Pump

Intended Purpose

The microdialysis pump is a portable syringe pump intended to pump perfusion fluid and dialysate through an MDialysis catheter, enabling microdialysis.

Easy to use

The 107 Microdialysis Pump has a flexibility in flow rate that enables the user to change the flow for different purposes: Low flow rate for high recovery of low molecular substances in the tissue or high flow rate for more frequent sample intervals.

It is easy to handle due to its unique design. The 106 pump Syringe is filled with 2.5 mL sterile Perfusion Fluid, connected to the Microdialysis Catheter and placed into the 107 Microdialysis pump. The cover is closed and the pump starts a 5 minutes flush sequence and then automatically decreases to the preset flow rate.

The flow rate can be adjusted in different settings 0.1, 0.2, 0.3, 0.5, 1, 2 and 5 $\mu\text{L}/\text{min}$. The flow rate is set securely using a switch on the rearside of the pump and can be changed during a microdialysis procedure if required.

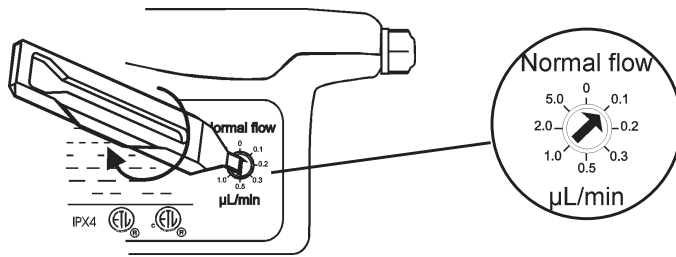
Small and lightweight

The pump is small, lightweight and ergonomically designed. In the intensive care the pump can either be attached to the patient or placed into the bed. An ambulant patient can carry the pump in a pocket or on a belt. During surgery the pump can be placed inside a sterile bag or glove.

To indicate the operational status of the pump, two light indicators are located under the transparent cover of the pump. The indicators can flash red or green: green light for information and red light for malfunction.

The 107 Microdialysis Pump, the special designed syringe and the Microdialysis Catheters form a complete system with the ISCUSflex Microdialysis Analyzer to follow local tissue chemistry in specific tissues and organs.

Different flow rates



The normal flow can be adjusted in eight different flow rates by the switch at the back of the pump.

Technical information

Dimension:	90 x 50 x 20 mm
Weight:	70 g (incl. battery)
Battery:	6V (Ref.8001788)
Battery lifetime:	10 days
Casing:	ABS-plastic, splash-proof
Flush flow:	15 µL/minute
Normal flow:	0.3 µL/minute
Operating temperature:	+5 °C to +40 °C
Error signals:	Error; Low battery

Ordering information

	Ref.No.
107 Microdialysis Pump	P000127

Accessories

	Ref.No.
Perfusion Fluid T1, 5 mL 10/pkg	P000034
Perfusion Fluid CNS, 5 mL 10/pkg	P000151
106 Syringes 20/pkg	8010191
Batteries 6V	8001788
Pump kit peripheral tissue	8003790
Pump kit brain tissue	8003791

CE₂₈₆₂ Fulfills EU Medical Device Regulation (MDR) 2017/745



Type CF applied part



ETL-listed product. Conforms to ES60601-1:2005 +A1 and CSA C22.2#6061.-1:2014 Ed.3

IPX4

Pump is splash proof.



Medical Device

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