



- Specially designed for Microdialysis
- Portable, small and lightweight

106 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 106 Microdialysis Pump operates with a fixed flow rate of 0.3 $\mu\text{L}/\text{min}$. This low flow rate provides high recovery of substances from the extracellular fluid.

The 106 Microdialysis pump is easy to handle due to its unique design. The Syringe is filled with 2.5 mL sterile Perfusion Fluid, connected to the Microdialysis Catheter and placed into the pump. The cover is closed and the pump starts a 5 minutes flush sequence and then automatically decreases to the operating flow rate of 0.3 $\mu\text{L}/\text{min}$. The pump can work non-stop for up to 5 days without changing the syringe.

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 on 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 LED's can flash green or red - green for normal flow and red for malfunction.

The 106 Microdialysis Pump and the Microdialysis Catheter form a complete system with the ISCUSflex Microdialysis Analyzer. This provides an ideal clinical solution for monitoring of local tissue chemistry in specific tissues and organs.

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.
106 Microdialysis Pump	P000003

Accessories/Consumables

	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

 2862 Fulfils 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