



MD System LOKE

- Automated Plug & Play System
- Easy to use and robust for up to 5 days monitoring
- Continuous real-time Microdialysis

Microdialysis - Reinvented

MD System (LOKE) provides Microdialysis data in real-time, continuously. The device uses biosensors with coated electrodes which generate an electrical signal enabling measurement of the different analytes in the microdialysate. Microdialysis values of Glucose, Lactate, Pyruvate and the ratio of Lactate and Pyruvate are displayed both numerically and graphically as trend curves for fast and easy interpretation.

For routine Microdialysis monitoring in Critical care patients

The unique continuous MD System is especially developed for routine microdialysis monitoring in Critical Care patients at the Intensive care unit. Together with MDialysis's wide range of Microdialysis Catheters the system offers opportunities of guidance to optimize patient treatment by detecting pathological changes in tissues or blood before clinical signs become evident.

Easy to operate

The system provides effortless maintenance and ease of use, it is completely automated and can run up to five days.

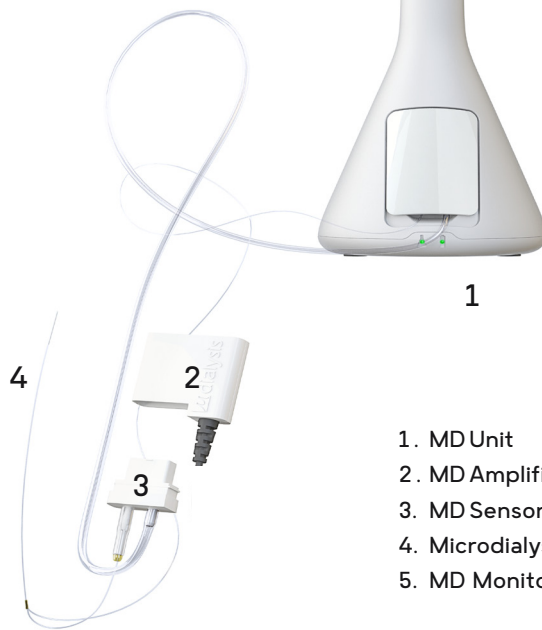
The unique design of the MD system allows you to place the device close to the patient with a pole or ICU rail attachment.

The MD System continuous solution is the fourth generation of Clinical Microdialysis Analyzer designed to support maximum patient benefit and decrease health care costs.

Continuous real time data of:

- Glucose
- Lactate
- Pyruvate
- Lactate Pyruvate Ratio

MD System Overview



1. MD Unit
2. MD Amplifier
3. MD Sensor
4. Microdialysis Catheter
5. MD Monitor

Technical information

Voltage	100-240 VAC 50/60 Hz	Weight:	5 kg
Power consumption:	max. 40 VA	Measurement principle:	Electrochemical biosensor
Compliance:	Power adapter complies with 60601-1	Samples:	Continuous on-line measurement of Microdialysate
Insulation:	MD Unit power adaptor is double isolated	Monitor Cable:	Standard ethernet shielded (Cat 5e or later)
Dimensions:	220 (W) x 220 (D) x 332(H) mm	Calibration:	Automatic (every 6 hrs)

Ordering information

	Ref.No.
MD System Complete Incl. 8070014 MD Unit, 8070088 MD Unit Holder, 8070151 MD Cartridge, 8070198 MD Amplifier, 8070223 MD Monitor with selected options for attachment (see below), Test Sensor, Technical & Users Manual	8070228
Options for attachment of MD Monitor: 8072019 MD Monitor arm Stand runner, 8072020 MD Monitor arm Pole, 8072029 MD Monitor Deskstand, 8072038 MD Monitor Holder	
Accessories:	Ref.No
MD System Sensor kit Incl. MD Sensor & Catheter Extension	8050187
MD System Syringe kit, Brain Tissue Incl. 106 Syringe + Orange Syringe, Perfusion Fluid CNS + MD Calibrator	8050181
MD System Syringe kit, Perip Tissue Incl. 106 Syringe + Orange Syringe, Perfusion Fluid T1 + MD Calibrator	8050182
Syringe Orange 20/pkg	8070081
MD Calibrator, 2x5mL	8072009
Catheter Extension	8072001

CE₀₄₁₃ CE marked according to the Medical Device Directive (MDD 93/42/EEC), EU Directive (2014/30/EU) (EMC), EU Directive 2012/19/EC (WEEE II) and EU Directive 2011/65/EC (RoHS II)



Defibrillation-proof type CF applied part

IPX1

Protection class, protected against dripping water



ETL-listed product. Conforms to UL 60601-1:2003 Rev. 2006. ETL-listed product. Certified to CSA C22.2#601.1 (R2001)

STERILE A

Sterilized Using Aseptic Processing Techniques

STERILE R

Sterilized Using Irradiation

STERILE EO

Sterilized Using Ethylene Oxide

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