

# ISCUS *flex*

## MICRODIALYSIS ANALYZER

- Third generation Microdialysis Analyzer for point-of-care
- Automatic calibration, quality control & enhanced software

### Monitoring of tissue Metabolic Markers

ISCUS<sup>flex</sup> is the third generation Microdialysis Analyzer for point-of-care cerebral monitoring. This analyzer uses enzymatic reagents and colorimetric measurements.

The analyzer is easy to operate by medical professionals with a new and improved graphical user interface. Up to five different reagents provide unique opportunities for early detection of metabolic crisis and ischemia and to guide therapeutic interventions. The analysis results are displayed as trend curves for easy and fast interpretation. ICUpilot software is included for comparison of other intensive care data.

Microdialysis monitoring offers unique opportunities to individualize and optimize patient treatment in the ICU by detecting pathological changes before clinical signs become evident.

### Enhanced Features and Optimized Performance

ISCUS<sup>flex</sup> combines reliability and flexibility. It is able to monitor up to several patients at a time and is ideal for use in a clinical setting. With a capacity of 16 vials, ISCUS<sup>flex</sup> offers batch analysis. The throughput of the analyzer is maximum 30 measurements per hour.

The US version is enhanced with CLIA software that will require user authorization/password entry to run samples, including controls and changing reagents. The software also permits Pathology personnel to download/print control, calibration and validation reports.

- Available Reagents:**
- Glucose
  - Lactate
  - Pyruvate
  - Glycerol
  - Glutamate

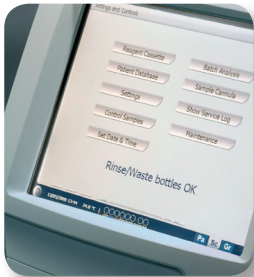
THE STATE OF THE ART ISCUS<sup>flex</sup> offers third generation reliability and flexibility combined into a single unit.





## Key Features of the ISCUS<sup>flex</sup>:

- ISCUS<sup>flex</sup> offers unique opportunities to individualize and optimize patient care in the ICU by detecting pathological changes before clinical signs become evident
- Continuous and near real-time monitoring of metabolites sampled by MDialysis's suite of Intracranial Microdialysis catheters
- High flexibility with the possibility to monitor several patients simultaneously, with 16 sample positions
- Quick one-button analysis in less than two minutes per analyte with five available reagents: glucose, lactate, pyruvate, glycerol and glutamate
- Automatic flushing of sample after analysis, automatic calibration and quality control
- Removable vial cassette with 16 positions for batch analysis.
- A new and improved graphic user interface makes it easy to operate
- ISCUS<sup>flex</sup> is delivered with the ICUpilot™ software that enables you to visualize, compare and compute patient data on a separate computer
- Maximum throughput is 30 measurements per hour



## Technical information

Dimensions	430 (H) x 350 (W) x 270 (D) mm	Warm-up time	10 minutes
Weight	29 lbs/13 kg	Measuring time	30 seconds
Voltage	100-240 V~, 50/60 Hz	Throughput time/test	90 seconds
Power consumption	100 VA	Detector type	Single beam filter photometer
Type of protection	Class 1, Type B	Light source	Class 1 LED
Measurement principle	Kinetic enzymatic analyzer	Wavelengths	375 and 530 nm
Vials	Microvials, Plastic or Glass vials	Detector cell	Capillary flow cell 10 mm, 2 µL
Samples	Microdialysates	Detector cell	Temperature 99 °F/37 °C
Min. sample volume	Sum of sample volumes per analyte + 2 µL	Assay Imprecision	<4 % rel. standard deviation within run for "Control Samples Normal"
Pipetting imprecision	<2 % (at 0.5 µL) rel. standard deviation	External Communications Ports	SD Card Slot USB Port Network Port
Calibration	Automatic (every 6 hrs)		

## Ordering information

	Ref.No.
ISCUS <sup>flex</sup> Microdialysis Analyzer, for Clinical Use	8003295

## Accessories

	Ref.No.		Ref.No.
Glucose Reagent, 5/pkg	P000023	Control Samples, FDA cleared, 2 levels 5x2/pkg	8010306
Lactate Reagent, 5/pkg	P000024	Rinsing fluid, 0.5 L, 8/pkg	8002171
Pyruvate Reagent, 5/pkg	P000063	Waste bottle, 0.5 L, 8/pkg	8002161
Glycerol Reagent, 5/pkg	P000025	Thermal print paper, 30.5 m, 4/pkg	8002162
Glutamate Reagent, 5/pkg	P000064	Sample Cannula, 1/pkg	8001721
Calibrator A, 10/pkg	P000057	Vial Cassette, 1/pkg	8003409
LPG kit (incl 1 Reagent for Lactate, Glucose, Pyruvate and 1 Calibrator A)	8010361	Secure Digital Memory Card, 1/pkg	8003806
Reagent kit (incl. 1 Reagent for Glucose, Lactate, Pyruvate, Glycerol and 1 Calibrator A)	P000011		