

BIOSEN C_line

Professional and precise analysis of Glucose and/or Lactate in doctor's practice, hospitals and sports medicine



- Up to 120 samples per hour
- Chip-Sensor for user-friendly and safe handling
- Integrated quality control
- Low operating costs by minimal reagent consumption
- Compact design
- Easy sample handling
- Integrated Barcode reader optional



BIOSEN C_line - Technical Data

Measuring principle	Enzymatic, amperometric
Electrode	Chip-Sensor(s)
Range	Glucose: 0.5-50 mmol/L (9-900 mg/dL) Lactate: 0.5-40 mmol/L (5-360 mg/dL)
Precision	CV ≤ 1.5% at 12 mmol/L
Stability / Drift	≤ 3 % at 10 samples, referring to 12 mmol/L
Lifetime of Sensors	Glucose: 60 days or approx. 7500 tests Lactate: 50 days or approx. 6000 tests
Sample material	Blood, plasma or serum
Sample volume	20 µL (10 µL)
Sample micro test tube	2.0 mL (1.5 mL)
Languages	German, English, Russian, Polish, Czech Other languages on request
Ambient temperature	+15 to +35 °C
Humidity	20 - 85 %
Mains power	100 - 230 VAC / 50 - 60 Hz
Power consumption	Approx. 20 VAC (depends on specification)
Size (LxWxH)	280 x 280 x 95 mm
Weight	Approx. 3 - 5 kg (depends on specification)
Calibration modes	By starting, periodic, time account
EDP	RS 232 C (V.24) Interface
Printer	Parallel-Interface, RS 232 C (V.24)
Display / Keyboard	Graphical touchscreen (320 x 240 dots)
Memory	500 results with position, date, time, tray no.

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**Demand-oriented
Glucose/Lactate
measuring**



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Distributed by:

BIOSEN C_line

Analyzer for Glucose and Lactate

The BIOSEN C_line is especially developed for professional use in doctor's practice, clinical or special settings like for example sports medicine. The concept was to design a range of instruments which meet these special requirements.

We have achieved this by offering custom builds to allow the customer to add, subtract or change parts of the system. With a 15 years background in laboratory field EKF-diagnostic has developed a special chip-

sensor technology for the BIOSEN C_line range which guarantees fast measurement and high precision. A state of the art graphical touch screen allows you to easily navigate the menu system.

The instruments are supplied with an extensive memory and a flexibility of adjustment of many system parameters. Printer and other interfaces complete the system.



BIOSEN C_line, GP



BIOSEN C_line, GP+



BIOSEN C_line, Sport



BIOSEN C_line, Clinic

	BIOSEN C_line, GP		BIOSEN C_line, GP+		BIOSEN C_line, Sport		BIOSEN C_line, Clinic	
	standard	optional	standard	optional	standard	optional	standard	optional
Quality control	■		■		■		■	
Low-cost consumption	■		■		■		■	
Memory for 500 results	■		■		■		■	
Graphical Touchscreen	■		■		■		■	
Automatic sample recognition	■		■		■		■	
Barcode reader integrated		■				■		■
Mobile use (with converter/adaptor)		■		■		■		■
1 Parameter Glucose/Lactate	■		■		■		■	
2nd Parameter Glucose/Lactate		■		■		■		■
STAT sample			■		■		■	
Control position / standard position	2/2		2/2		2/2		2/2	
Number of samples	1		5		15		20	
Throughput per hour	~40		~80		~100		~120	
Calibration modes	3		3		3		3	