

Biosen C-Line | Frequently asked questions

Measurement and performance

Q: What does Biosen C-Line measure?

A: Biosen C-Line measures glucose and/or lactate levels in whole blood, plasma and serum.

Q: How much blood is required?

A: A 10 μ l or 20 μ l sample is required for one test, depending on the used type of the pre-filled Glucose/Lactate Hemolyzing Solution.

Q: How long does a measurement take?

A: The cycle time from test to test depends on the concentration in the sample. The test result is displayed after about 20 seconds followed by a flush sequence to clear the sensor signal prior to the next measurement. Depending on the Biosen C-Line model and the sample characteristics a maximum through-put of 120 tests per hour can be achieved.

Q: What measuring method is used?

A: Enzymatic-amperometric using chip sensor technology.

Q: What are the measuring ranges?

A: Glucose: 0.5 - 50 mmol/L (9 - 900 mg/dL)
Lactate: 0.5 - 40 mmol/L (5 - 360 mg/dL)

Q: How many measurements can be taken on one sensor?

A: The shelf-life of the Sensor on the device is 60 days or 7500 tests for Glucose and 50 days or 6000 tests for lactate.

Q: Can patient results be stored on the Biosen C-Line?

A: Yes. Up to 2,000 sets of results together with date, time, position and tray number can be stored in the device's memory.

Q: Can a Biosen C-Line be connected to a printer, PC, network, LIS, LIMS or other device?

A: Yes. All Biosen C-Line devices have PC and network connectivity via RS232C, USB and encrypted Ethernet interfaces and Printer connectivity via RS232C interface. They are also compatible with middleware such as EKF Link for transferring of data from the device to the LIS/LIMS of the medical facility or laboratory. It is also possible to use EKF Link Lite for printing out results on a network printer when connected to a PC and using EKF Link Lite.

Q: Which is the right Biosen C-Line model for my requirements?

A: There are two different Biosen C-Line models. Each has been designed for different scenarios. The Biosen C-Line range consists of the Clinic and GP+. The Clinic has been developed for use in sport facilities, clinics or laboratories that have moderate demand for sample testing. Where as the GP+ is designed for small clinics and surgeries with small demands on sample testing and likely to be used as a POCT device.

Maintenance

Q: Does the device need to be calibrated?

A: Yes. The calibration is performed automatically by the Biosen C-Line analyser. The operator can choose from three different calibration modes: 'before measurement', 'periodic' or 'time account'. EKF Diagnostics provides a standard solution to calibrate the system for glucose and lactate testing.

Q: What controls are available for use with the Biosen C-Line?

A: Normal and pathological controls are available:

- 'ReadyCon Norm' and 'ReadyCon Pat' are ready to use controls
- 'EasyCon Norm' and 'EasyCon Pat' materials include control of handling by the operator.

Q: How often does the device need to be maintained?

A: The device should be subject to regular maintenance. We recommend that the exchanger and pump tube are replaced every six months and that the sample cannula is replaced annually. These steps are described in detail in the instruction guide and can be performed by users.

Q: Is there a warranty period?

A: Yes. Biosen C-Line comes with a warranty of one year from the date of shipping. Expected lifetime of the device is 5 years.



Biosen C-Line (Clinic)



Biosen C-Line (GP+)



Manufacturer

EKF-diagnostic GmbH
Ebendorfer Chaussee 3
39179 Barleben Germany
Tel: +49 (0) 39203 511 0
Email: sales@ekfdiagnostics.com
ekfdiagnostics.com