cobas b 123 POC system

Maximize uptime.
Minimize risks.
Add value.

Make right decisions with a fast and easy blood gas result

cobas b 123 POC system supports you in managing high demand with low personnel resources

Blood gas and electrolytes at the Point of Care

Blood gas analyzers have become an integral part of managing patients in decentralized locations in the hospitals such as the emergency department or the intensive care unit (ICU).

*The **cobas b** 123 POC system supports you in managing the daily challenges in Point of Care Diagnostics*

Ease of Use

The **cobas b** 123 POC system offers straightforward operation with its highly automated processes and easy to use interface. This minimizes training time of your users and maximises user acceptance.

Reliability

In highly dynamic POC settings, nothing is more important than reliable results. The **cobas b** 123 POC system provides you reliability with the known Roche Diagnostics quality. And with no maintenance, the system is always ready for the next measurement.

Support

If help is needed, you can rely on the high quality support from Roche. Make use of the strong Roche community to get the best support and training for your blood gas analyzer.

Cost Effective

The **cobas b** 123 POC is easy on your budget, using our modular system with single sensor, fluid pack and AutoQC module so you can always use all components to the maximum.

Maximise your uptime

Be ready when blood gas results are needed

Uptime is Key

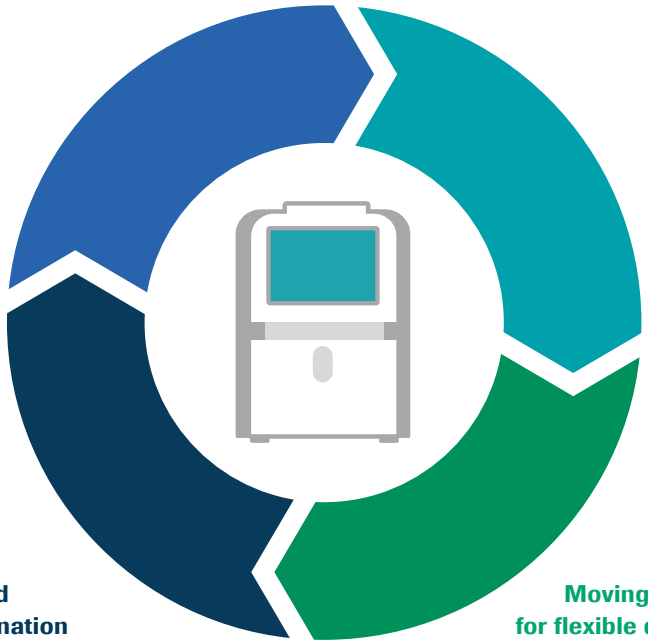
Decentralized Point of Care faces the challenge of being used at short notice. Thus, it is of huge importance that the system is always ready for your next measurement.

No Maintenance

The **cobas b** 123 POC system requires zero maintenance. This means you do not need to perform manual calibration or exchange instrument components such as gaskets. Thus, the user can focus on the patient and not on the instrument.

Remote Support

With the **cobas® infinity** POC solution your Point of Care coordinator has an overview of all analyzers and can support the user with screen sharing functionality, allowing your Point of Care coordinator or Roche support assistant to quickly solve issues remotely.



Integrated clot elimination

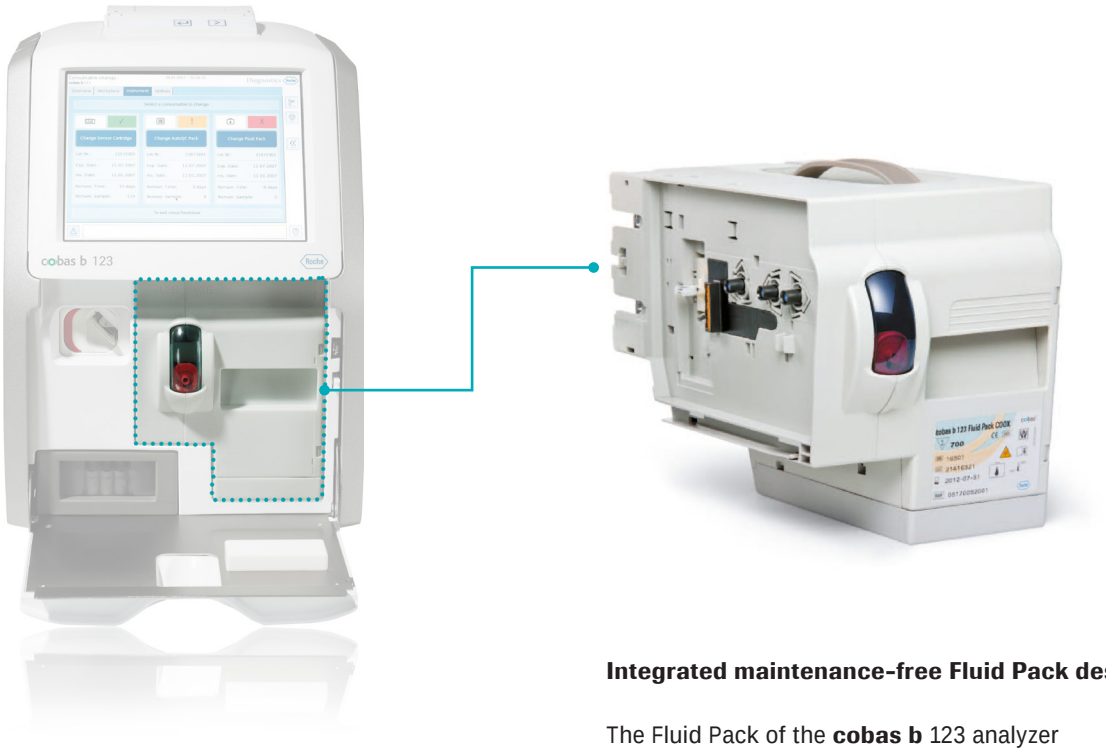
The **cobas b** 123 POC system detects clots before reaching the sensor and separates them into the waste container. This significantly reduces your clot-caused downtime and helps you reduce clot protection accessories or manual clot elimination procedures.

Moving solution for flexible demands

The **cobas b** 123 Mobility Cart supports a flexible demand of the instrument. You can move the instrument with the cart to the location where the instrument is needed. This helps you to have a maximized throughput with a limited number of analyzers.

Reduce contamination risk

Protect your users and patients from potentially infectious substances



Protected sample input

The fill port on the **cobas b** 123 analyzer is fully protected when the equipment is not in use, preventing damage from accident or breakage. The closed input prevents contamination from aerosols. Additionally, the fill port is cleaned automatically, removing all possible remnants of the last processed sample.

Integrated maintenance-free Fluid Pack design

The Fluid Pack of the **cobas b** 123 analyzer incorporates two internal containers, completely sealed, for the storage of all the waste generated during the analysis of samples. These containers have two safety valves to prevent leaks of waste material.

The sample input port is also part of the Fluid Pack which will be renewed with each Fluid Pack exchange. This eliminates the need for maintenance or replacement of potentially contaminating parts.

"Reducing the contamination risk with safety features on the instrument is important to protect users and patients."

Stay connected

Connectivity to cobas® infinity POC saves time and strengthens compliance and traceability

*As the requirements for blood gas analyzers grow, so does the demand on the services of the laboratory staff. To assist the POC coordinators in maintaining the analyzers and making sure they are ready to use 24/7, we have optimized workflows for the management of blood gas analyzers in the **cobas® infinity** POC solution*

cobas® infinity POC has a user interface across desktops and tablets. Allowing POC coordinators access to the software from their office, home or even on the go saves time and enables them to resolve issues as quickly as possible.

Remote access for cobas b 123 & b 221 blood gas analyzers

After identifying a necessary action for a blood gas device, the Point of Care coordinators can manage the analyzers remotely from wherever they are. Remote, real-time troubleshooting allows the Point of Care coordinator to take control of the instrument and resolve issues proactively and efficiently.

Device status dashboard

The Point of Care coordinators can quickly identify which devices need their attention and see an overview of the type of action required (e.g. sensors, paper). This helps them to prioritize their follow up actions.

Enhanced and customizable QC overview

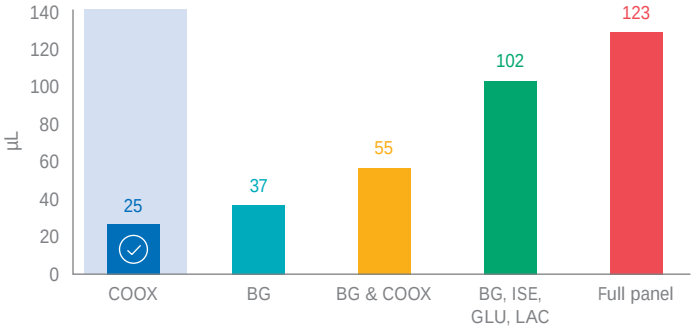
The Point of Care coordinators can customize their view of the QC chart, by layering key information (such as calibration times, fluid or sensor pack changes) onto the graph. This contextual data enables faster troubleshooting of QC issues and leads to better decision-making.

Clinical value

Change the standard care to a better care

Use Micro Modes where it matters

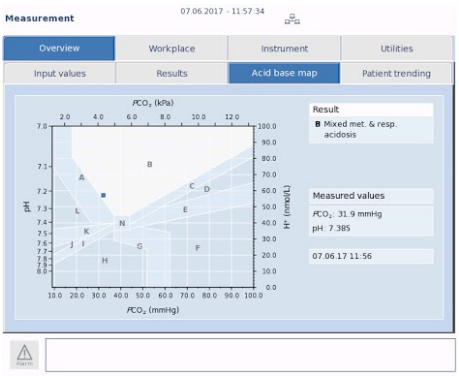
The **cobas b** 123 POC system requires 123 µL for the full panel. However, if sample volume matters you can use a micro mode to measure a limited panel. Starting with just 25 µL for the COOX means you are able to diagnose your most vulnerable patients with less sample.



Acid-base map

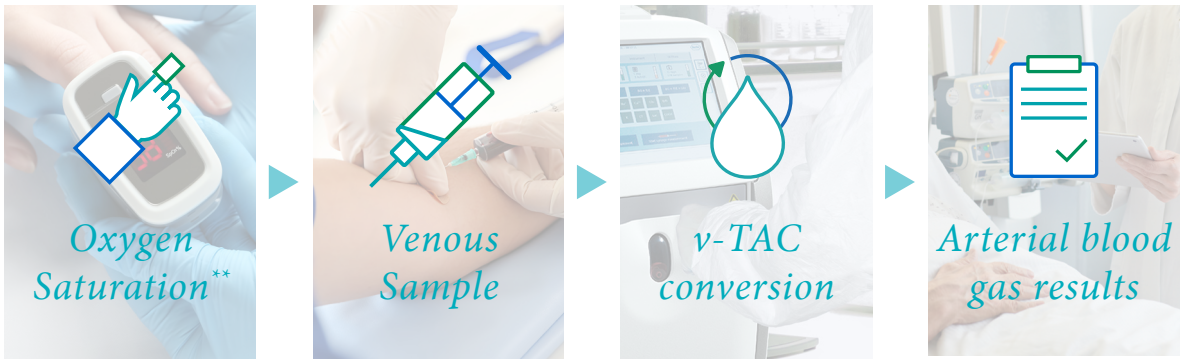
Measuring valid results is important, but even more important is the conclusion that physicians take from the results. To support you, the **cobas b** 123 automatically provides a real-time, graphical representation of a patient's results (pH, PCO2 and standard base excess parameters), supporting you in making the right decision:

- Differentiate between acute and chronic patient conditions in complex environments such as the ER or ICU
- Rapidly identify metabolic and respiratory acid-base disturbances without the need for a calculator
- Easily distinguish between compensatory responses and mixed acid-base disturbances



v-TAC software* – Get arterial blood gas values from venous blood

A new digital diagnostic solution allows clinicians to obtain arterial blood gas values via a simpler, less painful and less invasive venous method. To enable this method, the **cobas b** 123 POC system and the **cobas**® **infinity** POC uses the v-TAC software that calculates arterial blood gas values from venous blood supplemented with an arterial oxygen saturation (SpO_2). The new v-TAC method could improve clinical workflow by simplifying screening, diagnosis and monitoring of patients in need of blood gas testing.



*v-TAC software is only available in specific markets. Please contact your local Roche Point of Care contact to get more information.

**SpO_2 - measured by pulse oximetry

cobas b 123 POC System

Your trusted blood gas analyzer, configurable as you need it

1. Sensor Configurations

» BG + Hct
» BG + Hct + ISE
» BG + Hct + ISE + Glu
» BG + Hct + ISE + Glu + Lac

2. Automatic Quality Control

» Includes **3 levels,** each with **8 ampoules** (total 24 controls)

3. Fluid Pack Configurations

» 200 - 400 - 700 test without COOX
» 200 - 400 - 700 test with COOX

4. cobas b 123 Mobility Cart

(optional)

Sample Types

» Whole Blood
» Aqueous Solutions
» Dialysis Solution
» Recommended QC Materials

Blood gases + Hct

PCO_2 PO_2 pH Hct

Electrolytes

Na^+ K^+ Cl^- Ca^{2+}

Metabolites

Glu Lac

CO-oximetry

tHb O_2Hb HHb COHb MetHb SO_2 Bili

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