



Critical care demands uninterrupted performance

The cobas b 221 blood gas analyzer delivers reliable service when it matters most



cobas[®]
Life needs answers



LCD Touch Screen

Delivers an instant “snapshot” of a patient’s condition — or the instrument’s status.



Zero-Maintenance Electrodes

Perform for 6 to 15 months (depending on parameter) and eliminate the need to refill, soak, polish, or replace caps.

Input Unit for Single Point of Entry

Improved fill port accommodates patient samples from syringe or other common sample containers (capillaries, Roche Microsampler instrument, or ampoules).

Auto QC Module

Holds up to 40 days of QC and enables automatic lot-to-lot comparisons for improved convenience, capacity, and compliance.



“Load-and-Go” Smart Reagents

Reagents are stable for up to 42 days, and system automatically tracks reagent use for minimal operator intervention.



The cobas b 221 blood gas system is the benchtop analyzer uniquely designed to help provide virtually uninterrupted performance
Consistent, accurate, and timely results you can depend on

The **cobas b 221** blood gas system minimizes delay-causing issues common to other systems, such as

- Lengthy maintenance
- Warming of reagents
- System-clogging blood clots

Plus, whole-blood sampling provides results in ≤2 minutes so you can deliver timely and accurate results when caring for seriously ill patients.

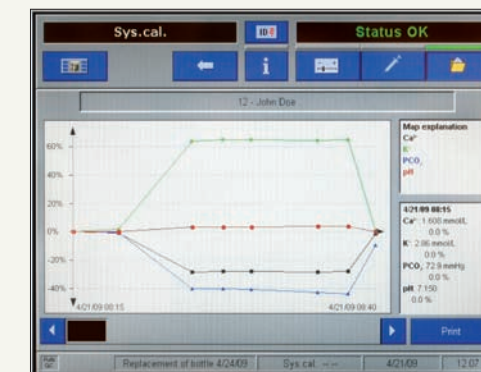
Bilirubin (cobas b 221 system with COOX module)*

Comparison instrument	Slope and intercept	Bias	Corr. coeff. [r]	No. of samples
Hitachi TBil	Y = -0.127+ 0.968*X	+3.7 % abs.	0.986	85

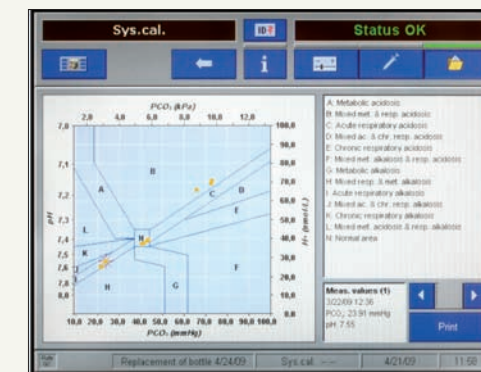
Lactate*

Comparison instrument	Slope and intercept	Bias	Corr. coeff. [r]	No. of samples
Hitachi (Plasma)	Y = -0.286+ 1.149*X	+0.7 %	0.993	60

*cobas b 221 blood gas system Instructions for Use. 2006.



Patient Trending Screen



Acid-Based Trending Screen



*“We have very little down-time with our instruments because the **cobas b 221** is a lab-grade analyzer.”*

*— Michael Nibert, Director of Respiratory Therapy,
College Station Medical Center*

Minimal maintenance lets you focus on the job at hand

*Day or night, you can depend on the **cobas b 221** blood gas system to minimize delays and provide reliable results*

- Daily maintenance takes only a minute and involves checking 3 items
 - Reagent packs
 - Waste container
 - Printer paper supply
- The only maintenance needed to be performed in front of the analyzer
 - Sensor changes (every 6-15 months)
 - Reagent changes (every 42 days)
 - QC changes (every 40 days)

The less time you and your staff spend on analyzer upkeep, the more time you have to run critical analyses.

Remote troubleshooting capability lets you monitor analyzer activity

- The **cobas b 221** BGE Link Instrument Manager Software enhances operational efficiency by providing
 - Remote screen sharing for immediate, real-time performance status
 - Maintenance updates
 - Remote command to perform calibration and QC
- Axeda® Device Relationship Management software provides remote access for 24/7 IT technical support



Smart reagent system minimizes waste and downtime

- “Load-and-go” reagents are stored at room temperature
- Long shelf life: 42-day onboard stability tracked by analyzer
- Economy mode minimizes reagent use while the analyzer is idle
- Reagent packs can be moved from one analyzer to another, reducing waste
- Reagent packs include a microchip that transmits information to the analyzer
 - Eliminates the need for bar code readings
 - Tracks expiration and fluid levels
 - Allows for multitransfer of packs
- SMART reagent technology tracks reagent use as part of real-time predictive maintenance
- Onboard auto QC ampoules



*“For the past 3 years, I’ve been using **cobas b 221** blood gas analyzers, and I have not had a blood clot problem — this is the first time in my 20-year career that blood clots in the analyzer haven’t been an issue.”*

— Doug Wilder, Director of Respiratory Therapy, Memorial Medical Center

Knock out the clots that can knock out your blood gas analyzer for an entire day

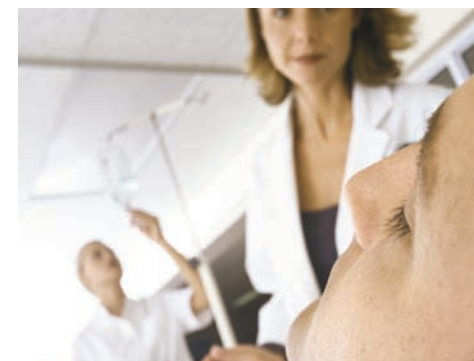
*The **cobas b 221** blood gas system’s specialized components help minimize the downtime and troubleshooting associated with clots*

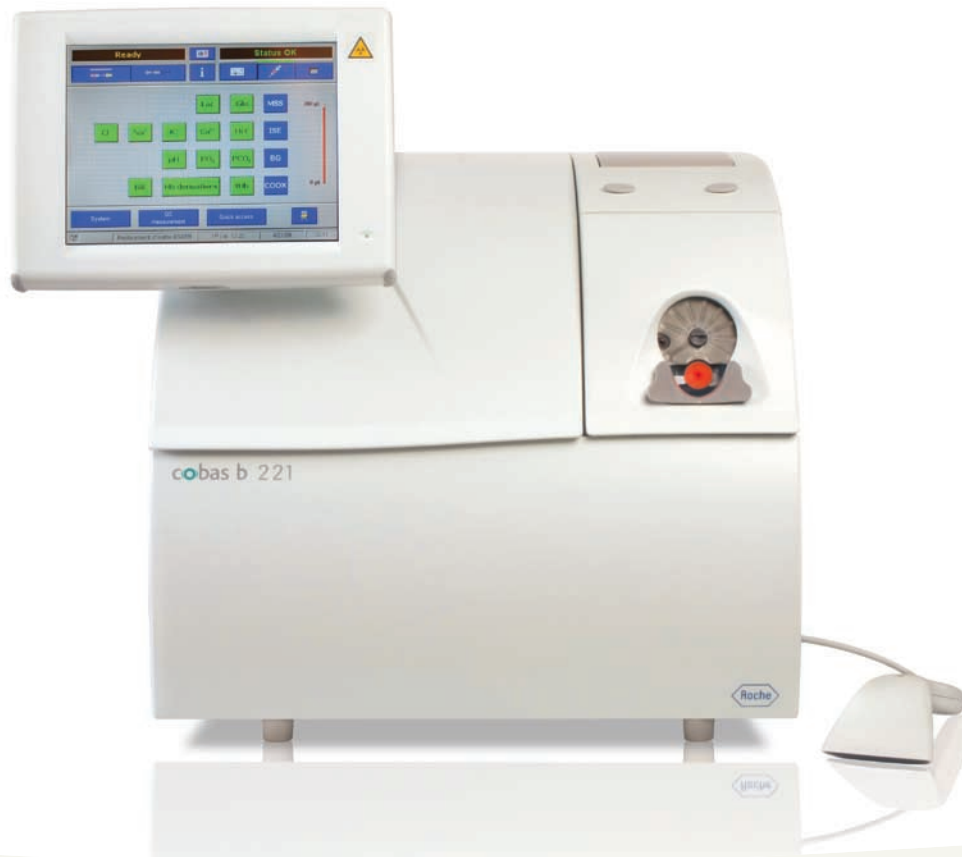
Three levels of protection help prevent delays, keeping your analyzer and your department running on schedule

- Clot filter prevents most clots from entering the analyzer
- 4 clot sensors add another layer of protection by quickly locating clots that get past the filter, eliminating the need for troubleshooting
- A powerful vacuum pump quickly removes clots in the system before they can halt your workday

With an average of 217 days between field service visits,* you can be confident that the **cobas b 221 blood gas system will provide you with dependable, virtually uninterrupted performance**

*This is the average number of days between field service visits for the **cobas b 221** blood gas system versions 2, 4, and 6.





Rely on the cobas b 221 blood gas system in critical care medicine

Get the blood gas system that is designed to provide virtually uninterrupted performance

- Minimal maintenance lets you focus on the job at hand
- Remote troubleshooting capability lets you monitor analyzer activity
- Smart reagent system minimizes waste and downtime
- 3 levels of blood clot protection and prevention

To find out more,
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Roche Diagnostics
representative or call
1-800-428-5076.

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