



  
**THE PLUS  
VERSION**

# ABL800 FLEX

For Reliable, Efficient & Flexible blood gas testing



# Optimize your blood gas testing with a trusted analyzer

In critical care environments, clarity and confidence are pivotal to improving patient care. Trusted blood gas results can help to optimize your workflow and support timely clinical decision-making for critically ill patients.

The ABL800 FLEX blood gas analyzer is **Reliable**, **Efficient** and **Flexible**. Used as a reference point for blood gas testing, the ABL800 FLEX leverages the power of automation to deliver:

- Results you can trust, when and where they're needed
- An improved workflow, saving you time previously spent in front of the analyzer
- Options for flexibility, based on your fluctuating needs

Simplify and streamline your blood gas diagnostics workflow and confidently meet health care challenges, with Radiometer.

# ABL800 FLEX At a glance

The diagram shows the ABL800 FLEX blood gas analyzer with several callouts pointing to specific features:

- Improved blood gas workflow**  
Analyze three samples automatically in succession with FLEXQ simply "Drop-n-Go"
- Customized configurations**  
Measure up to 18 parameters including creatinine - from a single sample
- Advanced sensor technology**  
Creatinine sensor designed to give you accurate and precise results
- Oximetry results**  
Featuring a 128 wavelengths spectrophotometer and ultrasonic hemolysis
- Automatic quality control**  
Supporting compliance with automatic QC
- Standardized automatic mixing**  
Homogeneous samples enable accurate hemoglobin results
- Flexibility with consumables**  
Replace individual consumables to meet fluctuating blood gas testing demands
- Optimized for capillaries**  
Results on critical parameters from low sample volumes

pH | pCO<sub>2</sub> | pO<sub>2</sub> | sO<sub>2</sub> | ctHb | FO<sub>2</sub>Hb | FCOHb | FMetHb | FHb | FHbF | cK<sup>+</sup> | cNa<sup>+</sup> | cCa<sup>2+</sup> | cCl<sup>-</sup> | cGlu | cLac | ctBil | cCrea



# Three dedicated measuring modes

## FLEXMODE

reports the greatest number of parameters possible, as determined by the sample volume.

## MICROMODE

offers critical parameter analysis taken from low neonatal samples using capillaries.

In addition, a dedicated mode for measuring **pleural pH** is available, as recommended by the American College of Chest Physicians [1].

Volume range	Parameters measured
35 - 55 µL	pH + OXI
50 - 70 µL	pH + OXI + BG
65 - 100 µL	pH + OXI + BG + MET
> 90 µL	pH + OXI + BG + MET + LYT
195 µL	pH + OXI + BG + MET + LYT + ctBil

# Configure the **ABL800 FLEX** to meet your needs

The ABL800 FLEX is available in various configurations with customizable parameter combinations. Together, we can tailor the analyzer to measure parameters offering specific information e.g., to provide fast creatinine results to support timely insight into patients’ kidney function.

We also understand the multiplicity of factors that may impact fluctuating demands for blood gas testing. Accordingly, the ABL800 FLEX is equipped with consumables that can be individually replaced according to your patterns of use and changing needs.

Measuring parameters	ABL 805	ABL 810	ABL 815	ABL 817	ABL 820	ABL 825	ABL 827	ABL 830	ABL 835	ABL 837
<b>pH &amp; Blood gas</b>										
pH, pCO <sub>2</sub> , pO <sub>2</sub>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Electrolytes</b>										
cNa <sup>+</sup> , cK <sup>+</sup> , cCa <sup>2+</sup> , cCl <sup>-</sup>	✓		✓	✓		✓	✓		✓	✓
<b>Metabolites</b>										
cGlu, cLac	✓		✓	✓		✓	✓		✓	✓
cCrea				✓			✓			✓
<b>Oximetry</b>										
ctHb, sO <sub>2</sub>		✓	✓	✓	✓	✓	✓	✓	✓	✓
FMetHb, FCOHb, FO <sub>2</sub> Hb, FHHb					✓	✓	✓	✓	✓	✓
FHbF, ctBil								✓	✓	✓

1. Colice GL, Curtis A, Deslauriers J, Heffner J, Light R, Littenberg B, *et al.* Medical and surgical treatment of parapneumonic effusions. Chest. 2000;118(4):1158–71.doi:10.1378/chest.118.4.1158

# Improve your blood gas workflow with automation and connected solutions

## Without 1<sup>st</sup> Automatic



## With 1<sup>st</sup> Automatic



## Leverage automatic solutions

The ABL800 FLEX incorporates automation to reduce manual labor and maintain quality. Expedite your blood gas testing with:

- automatic patient-sample registration at bedside
- automatic blood sample mixing
- automatic blood aspiration
- automatic capture of data and transfer to hospital IT systems
- automatic quality control, where the analyzer runs quality control at scheduled intervals

Automatic mixing is a unique way of mixing blood gas samples prior to analysis.

The ABL800 FLEX has an inbuilt automatic *safePICO* mixer which, in combination with *safePICO* syringes, reduces errors in the preanalytical phase.





Save time previously spent in front of the analyzer with Drop-n-Go: Place up to three samples on the FLEXQ for automatic scanning, mixing, aspiration, analysis, and reporting.



Reduce the risk of patient-sample mix up with 1<sup>st</sup> Automatic, a solution combining Radiometer blood gas analyzers, pre-barcoded *safePICO* syringes and AQUIRE's FLEXLINK Sample Flow Management system.

1<sup>st</sup> Automatic enables you to register the patient, operator, and sample ID while at the bedside, and FLEXLINK will link these data together.

FLEXLINK will also send results to the bedside and/or the LIS/HIS system post-analysis. This way, you'll have the right results, for the right patient, at the right time.





## Connect & Care

Placing you a step ahead to put life first

Connect & Care is an integrated point-of-care (POC) IT and services solution connecting people, medical devices, and data.

The customizable, total solution can meet a broad range of your needs, including:

- managing all your tasks—training, troubleshooting, QC data management and more—from one access point
- working closely with field service engineers through service agreements
- getting data insights and analytics
- knowing your medical devices and data are secure and compliant

## Keep your analyzers up and running

Data Insights and Remote Support are digital services that monitor the performance of your analyzers and simplify troubleshooting.

Data Insights and Remote Support deliver:

- real-time information on the status of your analyzers
- performance insights to make data-driven decisions
- analytics to continually enhance the efficiency of your point-of-care testing
- remote troubleshooting to support analyzer uptime



## The AQURE IT solution is your central point of care

AQURE can communicate with connected Radiometer analyzers and non-Radiometer devices in various departments, giving you a complete overview from one central access point.

AQURE enables you to:

- grant access to qualified operators only
- measure your analyzers' QC performance against analyzers in a peer group
- ensure seamless integration with your hospital IT platform
- work efficiently through constant monitoring with notification of any issues



## Built-in cybersecurity helps increase uptime

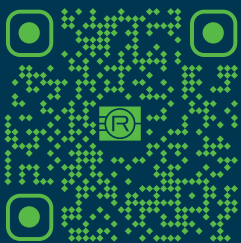
The ABL800 FLEX has built-in cybersecurity features to help secure patient data and reduce the risk of cyberattacks and any consequent disruption to analyzer operation.

Our cybersecurity model operates as a multi-layered defense system, alongside hospital security measures. Based on Microsoft-supported operating systems, our proactive model includes Application Control, Patch management and system updates tested prior installation.



**Whatever comes next,  
we make sure life comes first.**

Radiometer products and solutions are used in hospitals, clinics, and laboratories in over 130 countries, providing information on critical parameters in acute care diagnostics. Through connected solutions, expert knowledge, and trusted partnership, we help health care professionals make diagnostic decisions to improve patient care.



[www.radiometer.com/ABL800FLEX](http://www.radiometer.com/ABL800FLEX)

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