



ICU

The informed choice in critical care

Supporting ICU diagnostics since 1954

THE BLOOD GAS EXPERTS

Radiometer is no stranger to acute care diagnostics. When the polio epidemic swept across Europe in the early 1950s, many children were at risk of respiratory failure, which led to the development of the first blood gas analyzer by Radiometer in 1954. Since then, Radiometer has specialized in blood gas and acute care diagnostics, delivering connected point-of-care-testing solutions for the ICU, NICU, and ED in hospitals in more than 130 countries.



Make informed choices quickly and spend more time on patient care

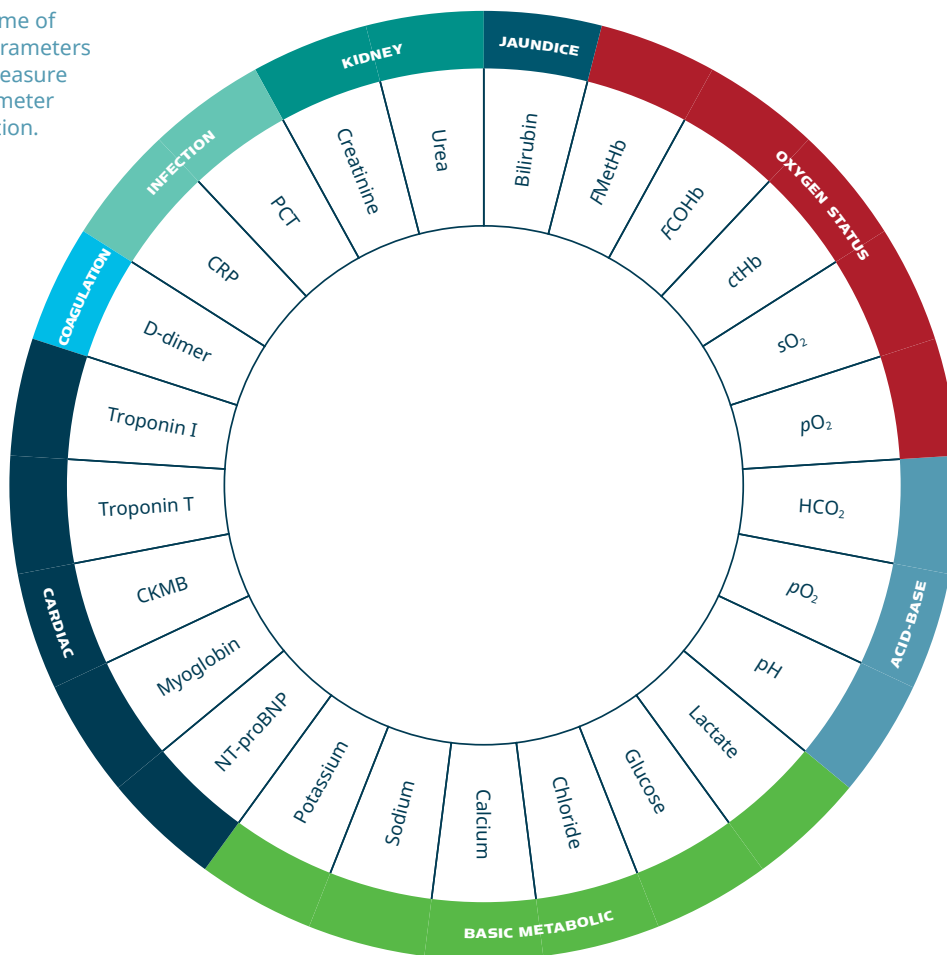
When it comes to caring for critically ill patients, time is everything. As an ICU professional, you need reliable information fast to make critical decisions about the next step in the care of your patients. The Radiometer ICU point-of-care-testing (POCT) solution delivers a comprehensive range of parameters and biomarkers to support you in making informed decisions quickly at the point of care.

In addition to 19 critical blood gas parameters and 9 biomarkers, Radiometer offers seamlessly connected blood testing analyzers, transcutaneous monitors, and a point-of-care IT solution that automate and simplify blood sampling and data capture from test order to reported results. In short, a POCT solution that can help boost efficiency in the ICU, enabling you and your staff to spend more time where it matters most—with patients.

Select from a broad panel of parameters and biomarkers

Get fast results from 19 parameters and 9 biomarkers to support your ICU workflow. The Radiometer POCT devices deliver parameters and biomarkers that are included in several health evaluation scoring systems such as APACHE, MODS, SAPS, and LODS [1].

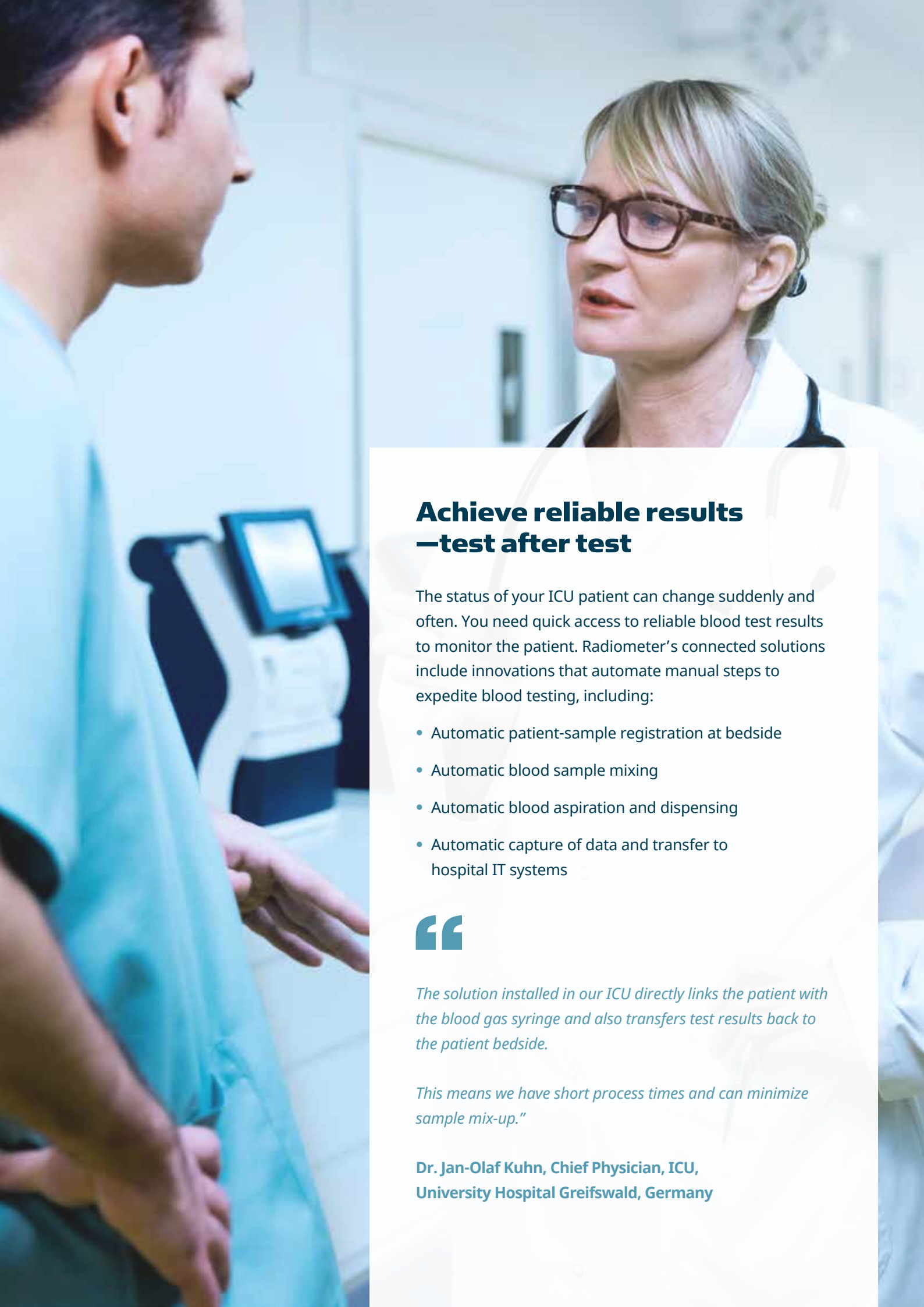
Overview of some of the relevant parameters that you can measure with the Radiometer ICU POCT solution.



Blood gas results from 19 parameters in just
35 seconds
 from only 65 microliters of blood

Biomarker results in just
11-21 mins
 from 2 milliliters of whole blood

1. Rapsang AG. Scoring systems in the intensive care unit. A compendium; Indian Journal of Critical Care Medicine April 2014; Vol 18, Issue: 4



Achieve reliable results —test after test

The status of your ICU patient can change suddenly and often. You need quick access to reliable blood test results to monitor the patient. Radiometer's connected solutions include innovations that automate manual steps to expedite blood testing, including:

- Automatic patient-sample registration at bedside
- Automatic blood sample mixing
- Automatic blood aspiration and dispensing
- Automatic capture of data and transfer to hospital IT systems



The solution installed in our ICU directly links the patient with the blood gas syringe and also transfers test results back to the patient bedside.

This means we have short process times and can minimize sample mix-up."

**Dr. Jan-Olaf Kuhn, Chief Physician, ICU,
University Hospital Greifswald, Germany**

Choose a complete and connected solution

The Radiometer ICU POCT solution consists of products and services developed in collaboration with ICU professionals and designed to help you focus on improving patient care.

Radiometer syringes, analyzers, transcutaneous monitors, and POC IT solution provide you with tools for fast, accurate blood testing and workflow management in the ICU.



BLOOD GAS TESTING

ABL90 FLEX PLUS BLOOD GAS ANALYZER

Reliable results on 19 critical parameters from one blood sample of only 65 μ L in 35 seconds. Automatic mixing unit.



SAMPLERS

safePICO SYRINGES

Blood gas syringes designed for homogeneous blood samples.



BIOMARKER TESTING

AQT90 FLEX IMMUNOASSAY ANALYZER

Run tests such as cardiac, coagulation and infection biomarkers without leaving your critically ill patient. Fast turnaround time enables you to act on test results here and now.



POC IT SOLUTION

AQUIRE

Device-to-lab connectivity for lab management of POCT devices and operators 24/7. Automatic notifications and remote maintenance.



TRANSCUTANEOUS MONITORING

TCM5 FLEX TRANSCUTANEOUS MONITOR

Non-invasive real-time monitoring of oxygenation ($tcpO_2$) and ventilation ($tcpCO_2$) status in critically ill patients. Real-time monitoring offers a reliable approach to titrate ventilator settings without repeated blood sampling.

Partner with the blood gas testing specialists

When you choose Radiometer, you tap into more than fifty years of acute care diagnostics experience. You get access to services, support, and knowledge including:

- Radiometer LIVE — a customer care program with services, tools, and educational resources to support you throughout the lifetime of your Radiometer solution
- Installation of your point-of-care analyzers with on-site consultation
- Staff training with a customizable high-impact Learning Program
- MyRadiometer — a dedicated customer portal with an extensive library of information on our product portfolio



SIX REASONS TO CHOOSE A RADIOMETER ICU POINT-OF-CARE-TESTING SOLUTION

- 1 Blood gas test results on 19 parameters in 35 seconds, including Creatinine, Urea, Lactate
- 2 Immunoassay test results on 9 biomarkers in 11-21 minutes*, including TnI, D-Dimer, CRP, NT-proBNP and PCT
- 3 Automatic blood sample mixing
- 4 No manual pipetting or sample preparation
- 5 Compact, easy to use analyzers with built-in QC
- 6 24/7 connectivity to HIS/LIS

*Depending on the biomarker tested

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.

Contact us today.

Visit our website to arrange for a demo.

www.radiometer.com/ICU