

ED

**Empower
your ED
with certainty**

Get the critical information you need fast — in the ED

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 acute care diagnostics, delivering connected point-of-care-testing solutions for the ICU, NICU, and ED in hospitals in more than 130 countries.



Speed up diagnosis and treatment with point-of-care testing

As an ED professional, you deal with uncertainty every day. Patients with diffuse symptoms require various tests, which can result in long waiting times for lab results causing overcrowding and potentially delaying timely care for your most critical patients [1].

Point-of-care testing (POCT) can be an asset in the emergency department, helping to speed up diagnosis and treatment processes while reducing contingencies and process costs [2,3].



Point-of-care testing reduces waiting time for patient care."

Dr. Eric Revue,
Head of the Emergency Department,
Chartres Hospital, France

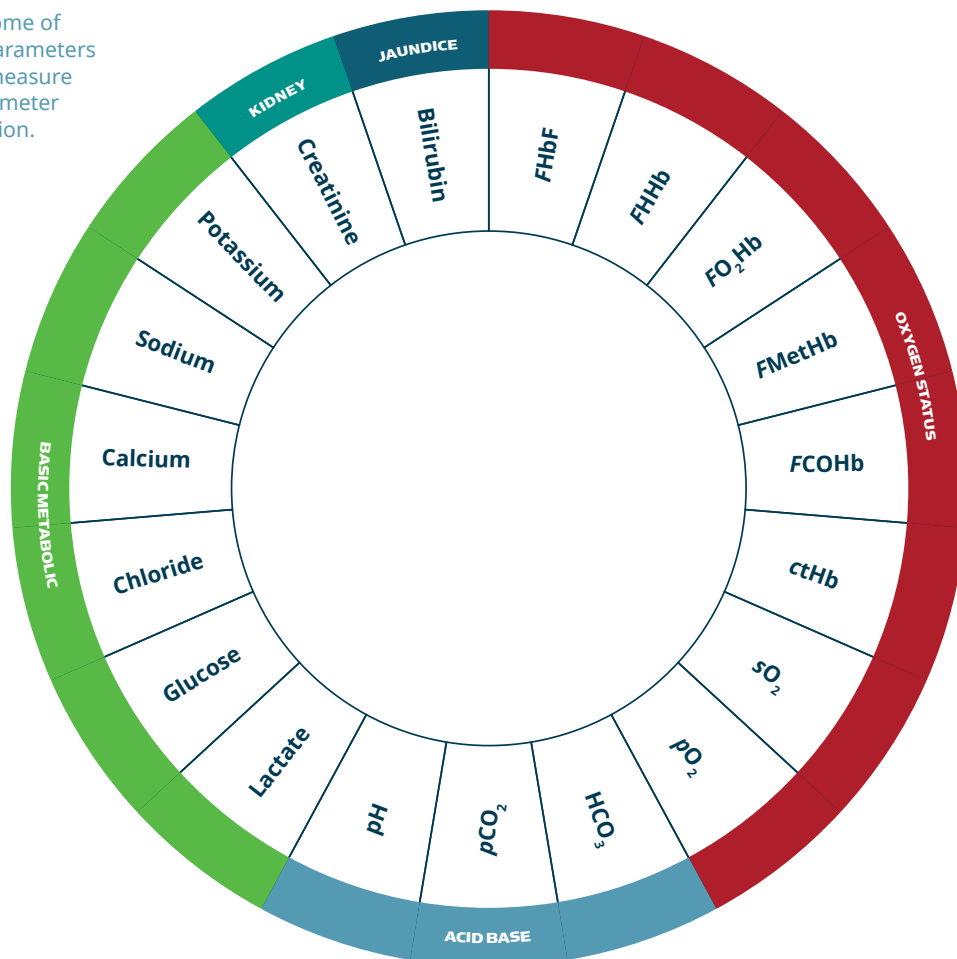
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1. Stockfish V. POCT in emergency rooms: One key factor for process streamlining with Lean Management. www.acutecaretesting.org October 2014.
 2. Larsson A *et al.* The state of point-of-care testing: a European perspective. *Ups J Med Sci* 2015; 120,1: 1-10.
 3. Von Eiff W *et al.* POCT-Management. Klinische und Ökonomische Effekte. Heidelberg: Medhochsweiverlag 2013; 189-192.

Get reliable results on critical parameters—in minutes

Making time-critical decisions regarding patient treatment is crucial to an emergency department. With the Radiometer POCT solution, a broad panel of critical tests can support you in making timely diagnoses for potentially life-threatening illnesses requiring immediate care.

Each device functions independently or can connect to the lab and hospital IT systems when using AQUIRE, the Radiometer POC IT solution. AQUIRE POC IT solution delivers IT connectivity at the point of care, helping you get the right results at the right place. This supports you in the management of sample flow, patient data accuracy and maintenance of POC analyzers remotely.

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



Blood gas results from 17 parameters in just
35 seconds
from only 65 microliters of blood



Get the information you need to make critical decisions fast

Whether you send the patient home or on for further treatment, ED point-of-care testing speeds up turnaround time and helps you accelerate patient flow [2].

Assess kidney function

Creatinine results at the point of care can help you identify patients at risk of acute kidney injury (AKI). Quickly assess your patient's kidney status before CT or MRI scans to determine if there's a risk of contrast-induced nephropathy [4].

The value of measuring lactate in the diagnosis of sepsis

Diagnosing patients suspected of sepsis is both challenging and complex. Often patients arriving at the ED are febrile and have shortness of breath, low blood pressure, a high pulse and respiration - symptoms which can easily be confused with other severe conditions. For patients already suspected of sepsis, measuring the lactate levels provides useful information on the severity of the condition and enables monitoring of disease progression [5].



The crucial thing is that we don't waste time."

Dr. Oppert, Head of the Intensive Care and Emergency Medicine departments at Klinikum Ernst von Bergmann, Germany

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4. Salvagno *et al.* Analytical evaluation of Radiometer ABL90 FLEX PLUS enzymatic creatinine assay. *Journal of Laboratory and Precision Medicine* 2019; Vol. 4, August 06:1-5
 5. Freund Y *et al.* Serum lactate and procalcitonin measurements in emergency room for the diagnosis and risk-stratification of patients with suspected infection. *Biomarkers* 2012; 17 (7): 590-596 source: <https://www.radiometer.com/en/diagnostics/sepsisdetection/lactate>

Use connected, convenient devices

From easy to use blood gas to a variety of syringes and device-to-lab connectivity, the comprehensive Radiometer ED POCT solution supports you in making timely clinical decisions.



BLOOD GAS TESTING

ABL90 FLEX PLUS BLOOD GAS ANALYZER

Reliable results on 17 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.



BLOOD GAS TESTING

ABL800 FLEX PLUS BLOOD GAS ANALYZER

Benchtop analyzer for your high volume needs: High throughput, automated sample handling. Up to 3 blood gas samples in one workflow.



POC IT SOLUTION

AQUIRE

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



Patient safety is at the center of everything we do and determines the procedures, our activities and all other actions performed in the ED."

Axel Plessmann,
ED Director DRK-Krankenhaus Sömmerda,
Germany

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 ED POINT-OF-CARE-TESTING SOLUTION

- 1 Blood gas test results on 17 parameters in 35 seconds
- 2 IQCP is not required for the ABL90 FLEX PLUS and ABL800 FLEX PLUS analyzers
- 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 with AQUIRE, the Radiometer POCIT solution

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/ED