



**AQT90 FLEX**

# **Point-of-care biomarker testing made simple**

Point-of-care testing provides a significant  
reduction in turnaround times



# WELCOME TO THE **SIMPLE ZONE**

With the closed tube system on the AQT90 FLEX analyzer, we've made point-of-care (POC) testing truly simple for you.

The AQT90 FLEX is a POC device where no manual pipetting is needed. You test using whole blood or plasma samples\* – simply Drop'n'Go.

## **ACCELERATE PATIENT FLOW**

- ▶ Simply Drop'n'Go
- ▶ Fast turnaround time with minimal handling

## **MAKE CRITICAL DECISIONS FAST**

- ▶ Extensive range of critical biomarkers at POC
- ▶ Reliable results in 11-21 minutes

## **MEET YOUR REGULATORY NEEDS**

- ▶ Reliable results with built-in QC
- ▶ Connectivity to HIS/LIS directly
- ▶ Multiple device management 24/7 with AQUIRE

## **OPTIMIZE YOUR RESOURCES WITH POC TESTING**

- ▶ Allow for faster diagnosis and workflow efficiency
- ▶ Reduce cost of patient care

## **SIMPLY DROP'N'GO**

The closed tube system means that you simply Drop'n'Go – there's no sample or test kit preparation before testing.



**TAKE SAMPLE**

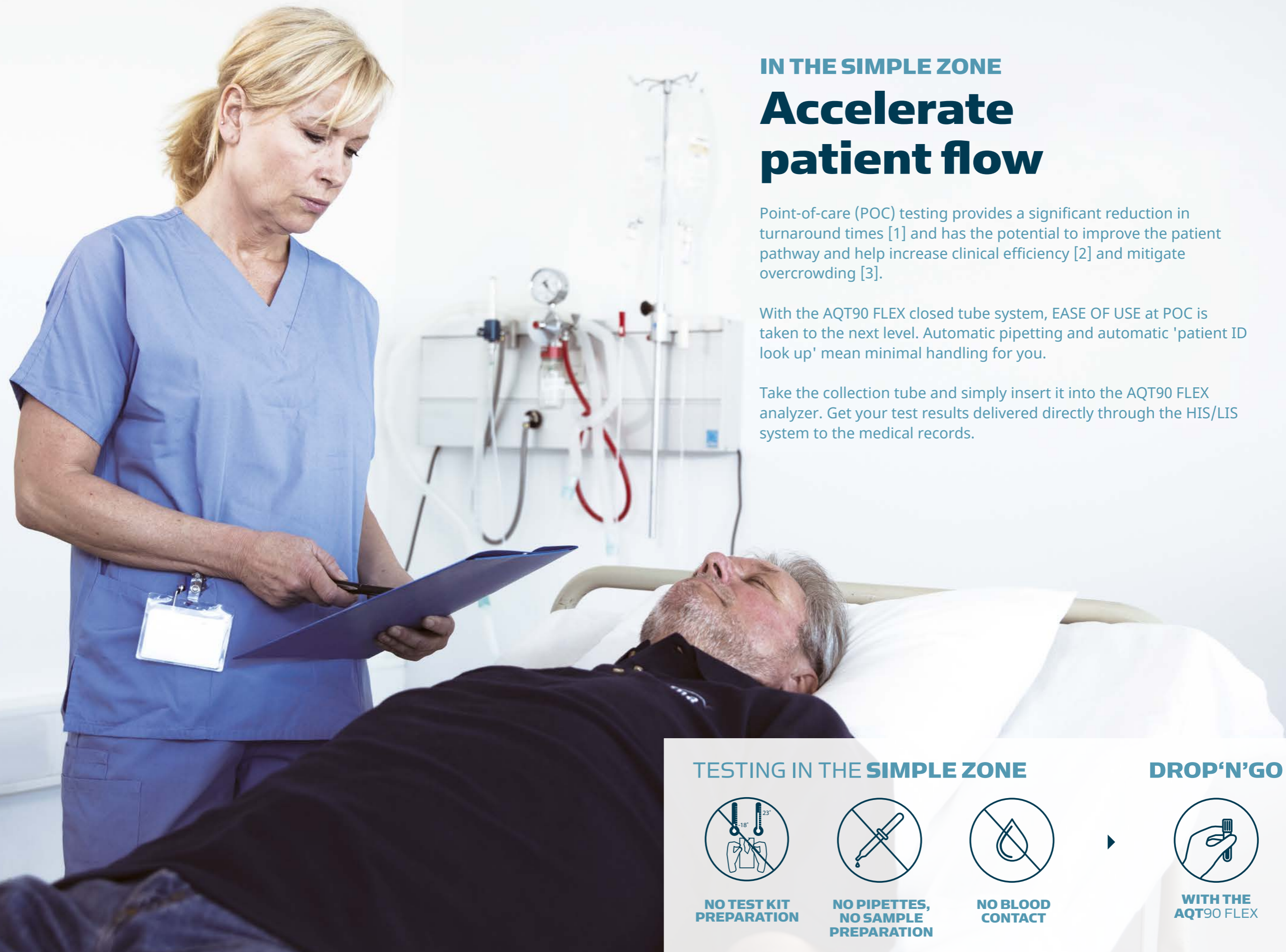


**INSERT SAMPLE**



**FAST RESULTS WHERE YOU NEED THEM**

\*For the D-dimer assay, only whole blood samples can be used



## IN THE SIMPLE ZONE

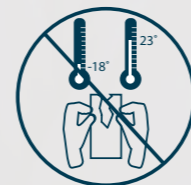
# Accelerate patient flow

Point-of-care (POC) testing provides a significant reduction in turnaround times [1] and has the potential to improve the patient pathway and help increase clinical efficiency [2] and mitigate overcrowding [3].

With the AQT90 FLEX closed tube system, EASE OF USE at POC is taken to the next level. Automatic pipetting and automatic 'patient ID look up' mean minimal handling for you.

Take the collection tube and simply insert it into the AQT90 FLEX analyzer. Get your test results delivered directly through the HIS/LIS system to the medical records.

### TESTING IN THE SIMPLE ZONE



**NO TEST KIT PREPARATION**



**NO PIPETTES, NO SAMPLE PREPARATION**



**NO BLOOD CONTACT**



### DROP 'N' GO



**WITH THE AQT90 FLEX**

## IN THE SIMPLE ZONE

# Make critical decisions fast

Fast turnaround time at point of care (POC) has the potential to improve the quality of care [3].

In acute care situations, when time matters most, the AQT90 FLEX analyzer delivers reliable quantitative results in 11-21 minutes.

The AQT90 FLEX analyzer has the capability to run up to 5 different tests per blood sample. Supporting you in making timely diagnosis – or ruling out – of several acute conditions.

TnI | CKMB | Myo | NT-proBNP | CRP | PCT | D-dimer |  $\beta$ hCG

Our extensive range of biomarkers at POC covers myocardial infarction, heart failure, infection, venous thromboembolism and pregnancy.

Manage more patients at the same time - the AQT90 FLEX analyzer allows you to initiate up to 30 tests per hour. Multiple tests can be run simultaneously.



## FAST, RELIABLE RESULTS AT POINT OF CARE



UP TO 5 TESTS  
PER BLOOD SAMPLE



RELIABLE RESULTS  
IN 11-21 MIN



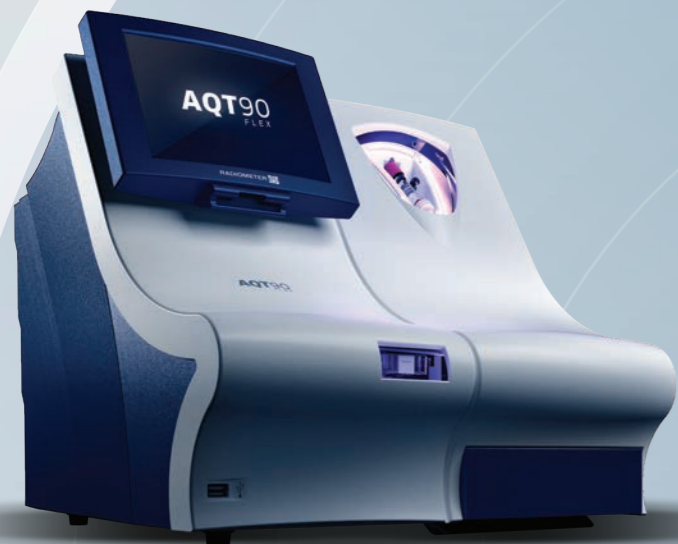
MULTIPLE TESTS RUN  
IN PARALLEL

IN THE SIMPLE ZONE

# Meet your regulatory needs

The AQT90 FLEX analyzer helps you meet compliance and regulatory demands through 24/7 HIS/LIS connectivity and a built-in QC system running continuously securing reliable results at POC.

With the AQUIRE point-of-care IT solution, you can keep track of analyzers, and stay ahead of compliance and accreditation needs. It allows you to monitor analyzers, manage operators and quality controls across multiple sites, without leaving your desk.



## AQUIRE DOES THE MONITORING FOR YOU



DEVICES



OPERATORS



COMPLIANCE



SAMPLE FLOW

## IN THE SIMPLE ZONE

# Optimize your resources with POC testing

The increasing number of patients is a challenge for healthcare services. Overcrowding in the ED is a widely acknowledged problem and can have an impact on the rest of the hospital.

Faster turnaround times with POC technologies can help speed up diagnosis and treatment processes and reduce contingency and process costs [4]. The time reduction in waiting for results might save valuable time for the patient as well as the staff of the ED [1].

Together or individually, the AQT90 FLEX analyzer and AQUIRE are reliable solutions focusing on healthcare institutions' need for accelerating patient flow.

Disease area	Marker	Measuring time (min:sec)	On board stability (days)	No. of tests per cartridge
Myocardial infarction	Troponin I	18:19	17	16
	CKMB	18:09	23	16
	Myoglobin	18:09	16	16
Heart failure	NT-proBNP	10:10	24	16
Infection	CRP	12:11	20	8
	PCT	20:18	10	8 & 16
Venous thromboembolism	D-dimer	20:10	31	8
Pregnancy	BhCG	18:09	20	16

### Measuring system

Sample type:	Whole blood and plasma*
Sample volume:	According to tube manufacturer specifications
Throughput:	Up to 30 samples per hour
Measuring principle:	Time resolved fluorescence (TRF)

\*Only whole-blood sample type can be used for D-dimer

## Whatever comes next, we make sure life comes first

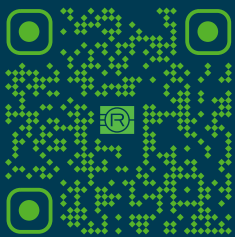
Radiometer products and solutions are used in hospitals, clinics, and laboratories in over 130 countries, providing information on critical parameters in acute care diagnostics. Through connected solutions, expert knowledge, and trusted partnership, we help health care professionals make diagnostic decisions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

### References:

1. Nørgaard B, Mogensen CB. Blood sample tube transportation system versus point of care technology in an ED; effect on time from collection to reporting? A randomized trial. *SJTREM* 2012; 20: 71.
2. Renaud B *et al.* Impact of point-of-care testing in the emergency department evaluation and treatment of patients with suspected acute coronary syndromes. *Acad Emerg* 2008; 15:216-24
3. Larsson A. *et al.*; The state of point of care testing: a european perspective; *Ups J Med Sci.* 2015 Mar; 120(1): 1-10
4. Von Eiff W. *et al.* POCT-Management. Klinische und Ökonomische Effekte. Heidelberg: Medhochswei verlag, 2013: 189-192.

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