

## AQT90 FLEX analyzer

# Comprehensive cardiac panel and markers for coagulation, infection and pregnancy

### Test menu

Marker	Reportable range	Standard of traceability	Measuring time	Test kit item no.
Troponin I	0.010–50 µg/L	NIST, SRM 2921	18 min	942-903
Troponin T	0.010–25 µg/L	**	12 min	942-940
CKMB	2–500 µg/L	IRMM, 455	18 min	942-906
Myoglobin	20–900 µg/L	Scripps, M0725	18 min	942-909
NT-proBNP	12–35,000 ng/L	**	10 min	942-930
CRP	5–500 mg/L	ERM – DA472/1FCC	13 min	942-936
BhCG	2–5000 IU/L	WHO, 75/589	18 min	942-918
D-dimer	80–100,000 µg/L	Hytest, 8D70	20 min	942-915

\*\* Traceable to in-house reference calibrators, which have been value-assigned to correlate to another commercially available assay. For further data please refer to clinical sheets.

### Measuring system

Sample type	Whole blood and plasma
Sample volume	2 mL minimum volume required
Throughput	Up to 30 results per hour

### Test kit

Contains 10 cartridges and 1 calibration adjustment cartridge. Barcode secures automatic registration of new test kit.

Marker	On board stability (days)	Max. shelf life (months)	No. of tests per cartridge
Troponin I	17	12	16
Troponin T	10	9	16
CKMB	23	8	16
Myoglobin	16	8	16
NT-proBNP	24	12	16
CRP	20	12	8
BhCG	20	8	16
D-dimer	31	12	8

### Reagent pack

Fully closed pack with all reagents and waste container for up to 200 tests/cups. ID chip secures automatic registration of new reagent pack.

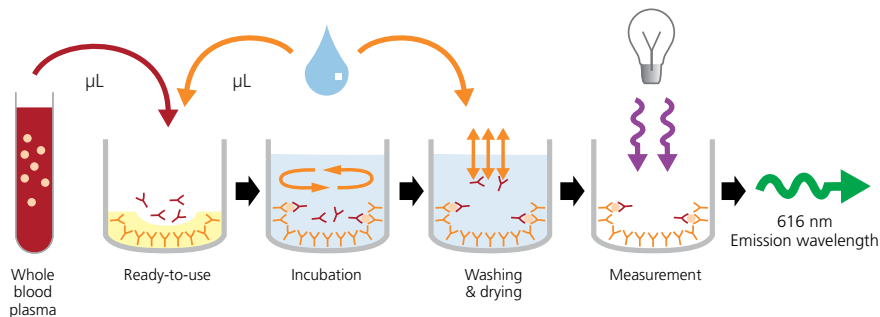
Item no.	903-006
Storage temperature	2–8°C
Temperature during transport	-20–8°C

# AQT90 FLEX analyzer Technology

The AQT90 FLEX immunoassay analyzer is based on lab technology with a proven sandwich method. It is designed for the hectic time demands of the point of care, providing reliable and lab-accurate results with a short turnaround time and a high throughput.

## ELISA CUP: One cup at a time throughout the entire test process, no manual operation

All required assay-specific reagents, including tracer antibody, capture antibody and stabilizing reagents, are dry-coated into cups. The entire test process – from dispensing the patient sample to final test results – takes place in one single cup.

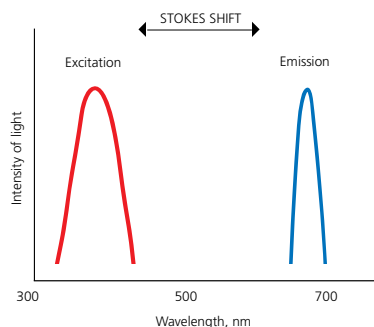
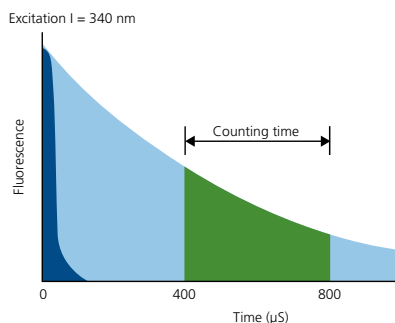


## Excellent detection system: Time-resolved fluorescence ensures high sensitivity

The AQT90 FLEX analyzer uses time-resolved fluorescence that minimizes background noise to achieve high sensitivity.

Each sample is measured 1–3 seconds during which the detection cycle is repeated 500 times per second to give accurate and repeatable results.

Europium chelates have a far wider Stokes shift than commonly used (conventional) fluorophores. The wavelength of the emitted light is as much as 200–300 nm longer than that of the excitation light used, and may be measured at its own characteristic wavelength with exceptional sensitivity.



## Hematocrit determination with built-in sensor: Ensuring reliable plasma concentrations with whole blood samples

The AQT90 FLEX analyzer is the first POC device with a built-in hematocrit sensor that determines the hematocrit value. The system corrects the analyzer's measured result in order to calculate the true plasma concentration of the analyte. The process does not take any extra sample volume or measuring cycle time.