

## AQT90 FLEX analyzer

# Quality Management for ensuring accurate and precise analyzer performance

The Quality Management system on the AQT90 FLEX analyzer consists of system quality checks and user-administered procedures such as liquid quality control (LQC), calibration and verification of reportable range.

### System quality checks

The AQT90 FLEX analyzer automatically performs three types of checks with a relevant frequency to detect and correct errors.

#### Environmental check

Ensures that the analyzer is ready for testing and that consumables have not expired. If an environmental check fails, you cannot run a test.

#### Pre-analysis check

Ensures that only tests compatible with the chosen anticoagulant can be selected.

#### Process check

Verifies that errors have not occurred during each and every testing process. If a process check fails, you will not get a result.

The AQT90 FLEX analyzer's system checks provide a pre-selection of environmental and process checks, which can be scheduled to run automatically at pre-determined intervals or on demand. Results on system checks are stored and can be printed out.

### Liquid quality control

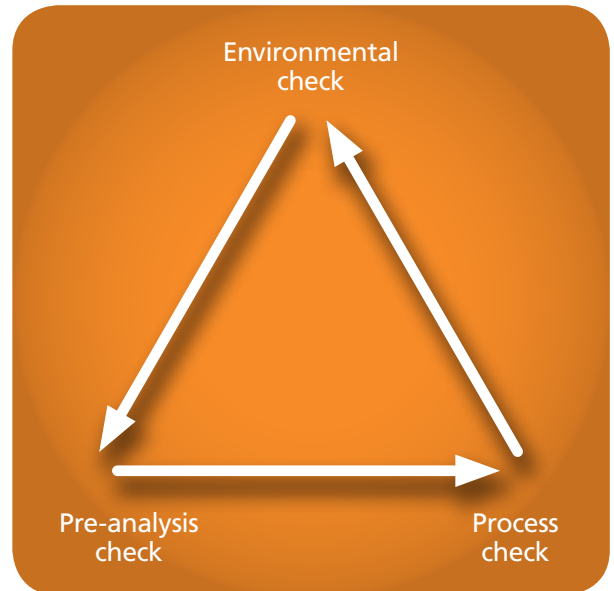
Liquid quality control (LQC), one of the user-administered QC procedures for the AQT90 FLEX analyzer, is fundamental in ensuring reliability of test results. LQC detects systematic analytical deviations that may arise from reagent or analyzer variation and helps document accuracy and precision.

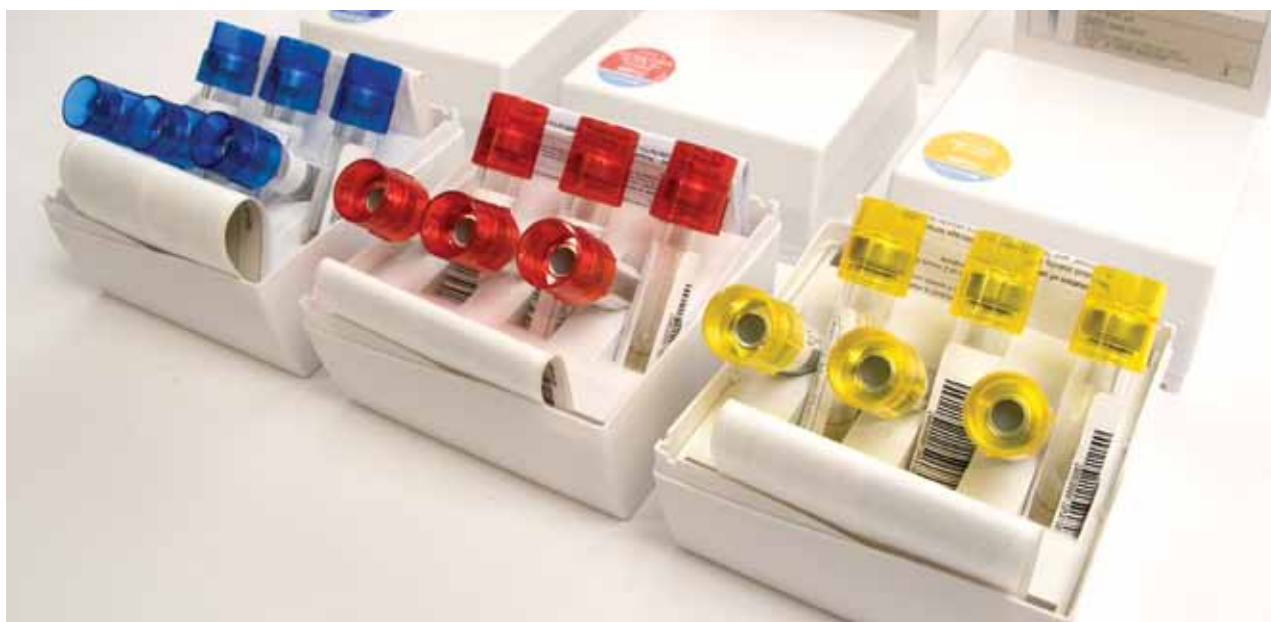
The AQT90 FLEX analyzer provides tools that log LQC measurements and corrective actions. In addition, it provides LQC statistics and LQC evaluation tools. The analyzer can be set to automatically lock a parameter if the LQC result is outside the user-defined control range.

#### Frequency of LQC measurements

LQCs should be performed in accordance with internal quality assessment procedures and local, state and/or federal regulations. After a calibration adjustment procedure or major maintenance, LQCs should also be performed.

The LQC for the AQT90 FLEX analyzer automatically retrieves level, name, lot number, expiry date and information on control ranges, eliminating the need for manual data entry.





#### Available LQC solutions

LQC comes in boxes with 6 ready-to-use tubes and an insert with the assigned value and 2 barcodes for defining the LQC on the AQT90 FLEX analyzer. Storage below -18°C; once thawed, the LQC is stable for 5 days when stored unused at 2–8°C.

Name	Level	Parameters	Item no.	Shelf life (months)
Multi-CHECK	Level 1	TnI, CKMB, Myoglobin and NT-proBNP	944-231	12
Multi-CHECK	Level 2	TnI, CKMB, Myoglobin and NT-proBNP	944-232	12
Multi-CHECK	Level 3	TnI, CKMB, Myoglobin and NT-proBNP	944-233	12
D-dimer-CHECK	Level 1	D-dimer	944-234	12
D-dimer-CHECK	Level 2	D-dimer	944-235	12
hCG-CHECK	Level 1	βhCG	944-236	12
hCG-CHECK	Level 2	βhCG	944-237	12
CRP-CHECK	Level 1	CRP	944-299	4
CRP-CHECK	Level 2	CRP	944-300	4