STA R Max

Excellence born from Expertise

Stago

Max Reliability

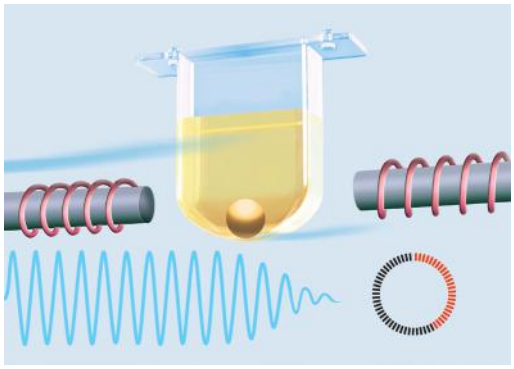
Viscosity-Based (Mechanical) Detection System consistently delivers accurate results immediately:
- exclusive technology standardised on all Stago systems
- insensitive to analytical interferences from haemolysis, icteric and lipemic samples for clotting assays,
- maximum precision for weak clot detection.

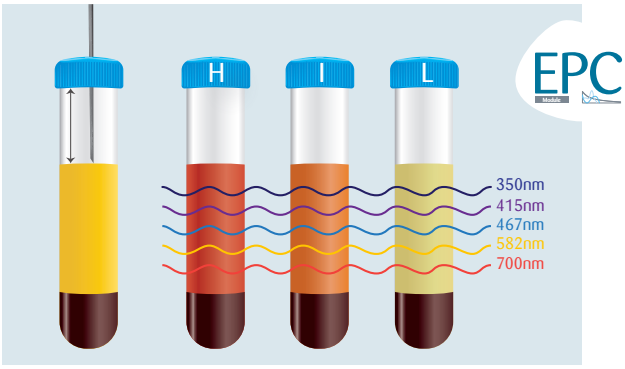
Environmentally friendly design provides economic savings and reduces bio-hazards:
- limited and self-contained fluidic waste system,
- reduced disposable waste (1 cuvette = 1 test).

Improved analyser reliability and robustness for continuous result reporting and increased up-time.

Sample integrity verification to ensure quality of results thanks to the **Expert Preanalytical Check module (EPC module)** providing:
- fill volume check feature for any type of tube,
- detection of haemolysis, icterus and lipemia which may affect chromogenic and immuno-turbidimetric tests; and the additional potential for biological impact of haemolysis on clotting assays (CLSI Guideline H21-A5):
  - no requirement for extra plasma volume,
  - no impact on throughput,
  - large index range without any dilution.

High quality of reagents offer maximum sensitivity and reproducibility for all tests.





Max Productivity

High onboard loading capacity provides true walkaway capability:
- 215 samples in 5-position racks,
- 75 cooled reagent positions included more large vial positions,
- 1 000 cuvettes onboard.

High throughput, to even with a mixed panel of tests, to manage large workload and activity peak in the high-volume labs.

Real time and proactive alerts to focus operator attention
- QC,
- TAT,
- maintenance status,
- Visual Alarm Device to alert the user of the analyser status.

True STAT management prioritises patient samples to ensure faster turnaround time (TAT).

Automatic management of dilutions, reruns, reflex testing and add-ons tests.

Autoverification capabilities streamline result reporting and minimize operator intervention, thanks to expert rules available on demand on the STA Coag Expert.

Optimised and reduced user maintenance operations thanks to improvements like the PSR (Pipettors with Single Resolution) module and the new Cap Piercing needle.

Ready to operate - 24/7 availability and no time required to restart.

Max Versatility

All common tubes size accepted with no manual positioning of barcode required, flexibility to mix capped or uncapped and different types of sample tubes on the same rack.

Routine and specialised tests with random access capability.

Extensive test menu including a wide range of dedicated reagents, quality controls and calibrators.

Complete management of products information with integrated or handheld barcode reader.

Adaptable to all laboratory organisation
- Total Lab Automation (TLA) ready, no modifications required,
- same performance in stand alone mode or connected to TLA systems.

Wide range of ready-to-use liquid reagents
- with extensive onboard stability,
- unique pre-calibration feature for all routine tests,
- fully automatic barcoded reagent management (ISI, lot number, expiration date, volume, onboard stability).

Max Innovation

New hardware design enhances **ergonomics of use**

Rules Engine & Coag Algorithms available on demand on the STA Coag Expert to automate laboratory processes:
- standardises patient results validation, for increased confidence,
- simplifies complex testing with built in expertise, such as the multi-dilution factor management for factor assays.

Intuitive user interface ensures a seamless integration for the laboratory staff, standardised on all Stago systems.

Extended traceability enhances regulatory compliance:
- complete management of reagents, quality control information and results,
- five years of patient and QC archives stored onboard,
- automated maintenance schedule.

Innovative services:
- accreditation tools for method validation,
- audit trail,
- remote diagnostic support,
- TAT monitoring.

Cybersecurity features - to meet regulatory requirements

- user rights management
  - log history to restrict access to authorised staff only,
  - unique user login password,
  - password security policy,
  - desactivation of account after several and consecusitive unsuccessfull logins or period of inactivity.
- secured operating system
  - agility to patch device in case of security vulnerabilities.

Max Generation

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Max Reliability

Max Innovation

Max Productivity

Max Versatility

For further information, please contact:

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At the Heart of Haemostasis

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