Excellence in quality and usability

XQ-Series

World-leading haematology
no matter where

Excellence in quality and usability

Whether your haematology testing takes place in a laboratory, a general practitioner's or physician's office lab, on a hospital ward, or in any other rapid-response diagnostics setting, it should always be excellent.

XQ-320 and XQ-520 are the new three-part differential analysers from Sysmex whose multitude of useful features allows them to fit in all kinds of laboratory environments and do the job you need them to do – with excellence.

While the features and benefits of XQ-320 also apply to XQ-520, this sampler model additionally offers fully automated sample processing, which improves the workflow.

Key features XQ-320 and XQ-520

- Twenty parameters including a dedicated neutrophil count
- Optional manual discrimination within histograms for challenging samples
- Flagging system with 20 messages, providing more in-depth information about potential abnormalities detected by the analyser
- Very low aspiration volume of 16 μL
- Up to 70 samples/hour
- Very little maintenance – only one weekly shutdown
- Easy-to-perform QC – conveniently scan all QC parameters in one go
- Quick sleep shutdown and quick start-up function

Additional features XQ-520

- XQ-520 comes with a sampler that comprises two separate sample tube drawers allowing continuous loading while the instrument performs measurements.
- The sampler's automated sample mixing reduces hands-on time.
- The closed tube operation reduces the laboratory staff's health risk and supports compliance with safety standards.

We have listened

XQ-Series represents the 'best of' other Sysmex analysers to answer even better to your needs. While keeping the proven technology of the XP-300, we have added new features used in our recent 5-part differential analysers, such as a large touch screen, the user interface and the flagging messages. What's more, results correlate well also with the flagship XN-Series, making the XQ a match in any lab network. From sample aspiration to result presentation, XQ supports labs with its convincing features and benefits.

✔ The XQ-Series' robustness, combined with its low demand for maintenance, results in high instrument uptime.

✔ The low sample volume of just 16 µL makes challenging samples, e.g. from elderly patients or children, much easier to process.

✔ Advanced QC settings support you in fulfilling your regulatory requirements.

✔ The various possibilities for connecting XQ-320 and XQ-520, e.g. to your network, the *Extended* IPU, or Caresphere™ – and the close correlation with Sysmex 5-part differential results – make XQ-Series a perfect partner in satellite laboratories within a hospital or lab network.

5 USB ports
2 LAN ports

10.4" touchscreen

Scan all assay values in one go

QC lockout function

Worry less, gain more

Technology should support you reliably in what matters most: caring for your patients. It should not require much attention or leave results open for doubt. That's why we took care of the easiest possible operation and result presentation, combined with compact and robust hardware, all backed up by our renowned service and training.

✔ Space for medical devices is often limited. We understand that – the space-conscious design of our XQ-Series takes this into account. The slim footprint leaves you more room on your lab bench.

✔ Your patients are eagerly waiting for their results – with XQ-Series, they are available in less than one minute, achieving a throughput of up to 70 samples/hour.

✔ The clear flagging messages provided by XQ-320 and XQ-520 support you in interpreting the results.

✔ Several types of printers can be connected via USB, Wi-Fi or Bluetooth, allowing flexibility.

Connectivity via Wi-Fi or Bluetooth

Easy-to-understand flags

Results in less than 60 seconds

Quick access, safe technology

Time is of the essence and regulations are becoming more and more strict, especially in working areas like ERs, ICUs or other rapid-response scenarios. XQ-Series finds the balance between these requirements that make those areas special. With many different users operating the system, we've made sure logon is simple without compromising on safety. And results are presented at a glance with clear information, so you know quickly where the patient's at.

✔ Quick access to results is especially important in an emergency. With easy logon via barcode and the quick start-up function, your XQ analyser is ready in an instant.

✔ Numerical results, histograms and flag messages are presented together on one screen, providing the complete result at a glance.

✔ The new XQ-Series' features support you in fulfilling the increasing regulatory requirements, e.g. for accreditations. Automatic logout ensures patient data safety in easily accessible areas, such as ERs. The QC lockout prevents producing results that do not comply with regulatory QC requirements.

✔ The Caresphere™ software for the monitoring of analyser and QC status and the optional HL7 protocol ensure seamless integration of XQ analysers into your hospital network.

Screen lockout function

HL7 protocol for data exchange

Complete result on one screen

Easy logon by scanning barcode/QR code

Key specifications

Model names	XQ-320, XQ-520
Parameters whole blood mode (WB) and pre-diluted mode (PD)	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, LYMPH%, MXD%, NEUT%, LYMPH#, MXD#, NEUT#, RDW-SD, RDW-CV, PDW, MPV, P-LCR, PCT
Measurement principles	DC detection method (WBC, RBC/PLT) non-cyanide haemoglobin detection method (HGB)
Throughput	XQ-320: approx. 70 tests/h (WB mode), 60 tests/h (PD mode) XQ-520: approx. 65 tests/h (WB mode), 60 tests/h (PD mode)
Aspiration method	XQ-320: open mode XQ-520: sampler mode (closed), manual mode (closed), manual mode (open), RBT (closed), micro tubes (open)
Aspiration volume	approx. 16 μL (WB mode) approx. 65 μL of diluted blood (PD mode)
Quality control	99 files for 300 data sets each (internal QC) interlaboratory comparison via Caresphere™ XQC and use of Eightcheck-3WP (control blood)
Scope of supply	XQ-320: main unit plus hand-held 2D barcode reader XQ-520: main unit, hand-held barcode reader, and optional external touch screen
Interfaces and connectivity	10.4-inch colour LCD touch screen (user interface) hand-held 2D barcode reader (standard) LIS / HIS (LAN port supports HL7 protocol) Caresphere™ XQC capability external printer (optional) wired (5 USB ports – 1 on / near the front; 2 LAN ports; 1 serial port) and/or wireless (by external wireless device; Wi-Fi or Bluetooth) connections
Data storage	500,000 samples incl. histograms management of 500 users, 10,000 patients' info, 200 wards, 200 physicians, 2,000 analysis registrations, and 20 calibration logs
Operating system	Windows 10 IoT Enterprise LTSB 2016
Dimensions/weight W × H × D [mm/kg]	XQ-320: approx. 365 × 440 × 450 / 22 XQ-520: approx. 450 × 450 × 660 / 53 (main unit)

Extended IPU is manufactured by Sysmex Europe SE.

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