

Product fact sheet

XQ-320

Version 1.0



Manufacturer information

Sysmex Corporation
www.sysmex-europe.com

Summary

The XQ-320 analyser is a compact fully automated haematology analyser, easily fitting onto any work bench. XQ-320 results correlate well with the flagship XN-Series, underlining our focus on result quality, making the XQ-320 a reliable primary analyser or an ideal backup to the Sysmex 5-part differential analysers.

Productivity

Technology should support you in what matters most: delivering reliable results and caring for your patients. That's why XQ-320 offers an easy operation, clear result presentation for quick sample validation and various features that make daily operation convenient and safe:

- Results available in less than one minute
- Fully automated and standardised measurement
 - Automated background check analysis to avoid carryover
 - Auto dispense function for standardised PD measurement
- 2D bar code reader for a convenient quality control and reagent registration
- Easy and quick user logon via barcode
- Quick sleep shutdown and quick start-up function, auto wake-up function
- Maintenance just once per week (shutdown with Cellclean)

Clinical insight

The XQ-320 delivers high-quality analytical performance, with a focus on reliability and quality for the basic routine haematology tests. Consistency, confidence, and trust in the results are particularly important for clinicians to make the appropriate decision and optimising patient care and safety.

Various features support your sample analysis and clinical decision making:

- Measurement of 20 parameters
- Optional manual discrimination within histograms for challenging samples
- An all-new flagging system with 20 IP messages, providing more in-depth information about potential abnormalities detected by the analyser
- Every measurement offers a neutrophil count

The absolute neutrophil count is valuable in assessing acute phase inflammatory and infectious conditions, serving as an early marker of disease.

Regulatory compliance

The new XQ-320 features support you in fulfilling the increasing regulatory requirements, e.g. for accreditations

- Customizable QC lockout and QC alarms prevent producing results that do not comply with regulatory QC requirements
- Easy scanning of assay data in one go using a 2D barcode enables convenient and error-free QC procedures
- Reagent lot numbers are available for each sample measurement for full traceability

Main components

Item code	Item	Description	Qty
BU954129	XQ-320 COMPLETE	XQ-320 main unit (common supply parts)	1
BX937542	XQ-320 SUPPLY PARTS (EU)	Supply parts (for detailed content see IFU)	1
ZE002798	LOGITECH WIRELESS KEYBOARD K400 PLUS	Additional keyboard for service (international keyboard)	1

Reagents

Item code	Item	Description	Qty
83400116	CELLPACK	Diluent	20 L
834001110	CELLPACK*	Diluent	10 L
97405216	STROMATO-LYSER-WH	Lysing reagent to obtain the WBC differential and to measure HGB	3 x 500 mL
83401621	CELLCLEAN	Cleaning reagent	50 mL

* A particular spout kit is necessary for connecting the 10 L diluent.

Quality control materials

Item code	Item	Description	Qty
• 90406019	• Eightcheck-3WP L	QC material for monitoring the whole blood mode	• 12 x 1.5 mL
• 90406116	• Eightcheck-3WP N		• 12 x 1.5 mL
• 90405919	• Eightcheck-3WP H		• 12 x 1.5 mL
• 87400711	• Eightcheck-3WP L		• 12 x 4.6 mL
• 87400517	• Eightcheck-3WP N		• 12 x 4.6 mL
• 90405811	• Eightcheck-3WP H		• 12 x 4.6 mL
216992	SCS-1000 Calibrator	Calibrator material for the calibration for WBC, RBC, HGB, HCT, PLT parameters	3 x 2 mL

Product specifications

Feature	Description
Diagnostic parameters	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD, RDW-CV, PDW, MPV, P-LCR, PCT, NEUT#, LYMPH#, MXD#, NEUT%, LYMPH%, MXD%
Analysis modes	• Whole blood (WB) mode • Pre-dilution (PD) mode

Aspiration volumes

- Whole blood mode
- Pre-dilution mode
- 16 µL
- 65 µL (diluted blood)
Blood volume required for the pre-dilution is 20 µL

Technologies

- WBC
- RBC/PLT
- HGB
- Impedance measurement
- Impedance measurement
- Non-cyanide haemoglobin method

Throughput

- Whole blood mode
- Pre-dilution mode
- Approx. 70 samples/hour
- Approx. 60 samples/hour

Data Storage

- Stored samples
- Patient information
- Ward name
- Doctor name
- Calibration history
- QC file
- Reagent replacement log
- Maintenance log
- User accounts
- 500,000 entries
- 10,000 entries
- 200 entries
- 200 entries
- 20 entries
- 99 files (300 plots/file)
- 5,000 entries
- 5,000 entries
- 500 entries

Technical specifications

Feature	Description
Weight	Approx. 22 kg
Dimensions in mm (W x H x D)	365 x 440 x 450
Interface	RS-232C, 2x Ethernet (RJ45), 5x USB
Operating system	Embedded Microsoft® Windows 10 with McAfee Security
Ambient temperature	15 °C to 30 °C
Operating humidity	20% to 85%
Power supply	AC 100 to 240 V (50/60 Hz)
Power consumption	160 VA or less

Disclaimer:

This product fact sheet does not contain the complete information of the product as described in the 'Instructions for Use', and neither is it intended to replace the 'Instruction for Use'. The required information in the 'Instruction for Use' must be observed at all times.