Product fact sheet

XN-1000 Pure

Version 4.0

Manufacturer information

Sysmex Corporation
www.sysmex-europe.com

Summary

The XN-1000 Pure provides XN quality and the full flexibility of profiles in haematology testing for tight budgets. With its straightforward non-reflex sampler it achieves a throughput of 100 samples/h, making it suitable for laboratories with small to medium workloads. The measurement of routine haematology profiles includes advanced clinical parameters like nucleated red blood cells (NRBC) and immature granulocytes (IG) without the need for any additional reagents or measurements, offering added clinical insight and helping to reduce smear workloads. Additionally, XN-1000 Pure can be equipped with additional diagnostic applications. The XN-IPU (Information Processing Unit) eases operations, fully monitors the analyser performance 24/7 through continuous remote service and supports the accreditation of labs by ensuring i.e. full reagent traceability.

Productivity

- The first step into full automation: excellent productivity per square metre.
- Decreased TAT through potential reduction of smears by diagnostic applications.

Clinical insight

- Reliable NRBC counts for all neonate and adult samples of low and high counting ranges enable immediate therapeutic action, e.g. for patients in ICUs.

- Standard routine testing supports detection of inflammations or infections and therapy monitoring of infections by reliably counting immature granulocytes (IG).
- The optional RET App enables counting of reticulocytes including differentiation into its fractions as well as additional information about the degree of haemoglobinisation of reticulocytes and red blood cells.
- The optional BF App enables reliable results in clinically relevant concentration ranges from various body fluids. Further, it supports the detection of inflammatory processes, e.g. using WBC-BF counts complemented by differentiation of polymorphonuclear (PMN) and mononuclear cells (MN).

Configurations

No	Name	Applications	Description
1	XN-1000 [DIFF]		• 1 XN-10 unit with a non-reflex sampler for CBC+DIFF screening • Optional BF mode
2	XN-1000 [RET]		• 1 XN-10 unit with a non-reflex sampler for CBC+DIFF screening + RET • Optional BF mode

Main components

Item code	Item	Description	Qty
AP795756	XN-10 haematology unit	Unit for haematology screening testing for the configurations 1 and 2	1
AZ182223	SA-01 Non-reflex sampler for XN-1000	Sampler main unit to be connected with XN-10	1
AL898214	XN-1000 supply parts (SA-01 EU)	IFU, cables, racks etc.	1
01330061	Pneumatic unit	External pneumatic unit for XN instruments	1
37000037	XN Desk Mount LCD Arm	Desk holder for touchscreen	1

Item code	Item	Description	Qty
ZE001995	IPU ONE4ALL 2nd GENERATION	Information Processing Unit (IPU) including Sysmex Universal Interface software	1
9VH85AA# ABB	HP E24t G4 FHD TOUCH MONITOR	Touchscreen monitor for IPU	1

Optional components

Item code	Item	Description	Qty
BE999446	WG-21 COMPLETE	Optional wagon (WG-21) for XN-1000 Pure	1
11.02.887 1	Roline USB3.0 cable, Type A-B, 3 m	USB cable to connect the HP EliteDisplay E230t touchscreen monitor to IPU, if arm is used	1*
ZE000705	POWER CABLE FOR DA-10 5 MTR BLACK	Power cable extension for EU/AP for touchscreen monitor, if monitor arm is used	1*
11.04.560 3	Roline DisplayPort cable, 3 m	DisplayPort video cable to connect one computer or KVM switch to one monitor	1*
57.182	ViewMaster M6 Monitor arm	XN-1000 monitor arm for touchscreen, desk or WG-21 mount	1*
53.042	ViewMaster M Extension	XN-1000 monitor arm extension	1*

* These items must always be ordered together with the wagon.

Product specifications

Feature	Description
Diagnostic parameters • CBC+DIFF	• WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD, RDW-CV, MicroR, MacroR, PDW, MPV, P-LCR, PCT, NRBC#, NRBC%, NEUT#, LYMPH#, MONO#, EO#, BASO#, NEUT%, LYMPH%, MONO%, EO%, BASO%, IG#, IG%, AS-LYMP#*, AS-LYMP%*, RE-LYMP#*, RE-LYMP%*, NEUT-GI*, NEUT-RI*
• RET	• RET#*, RET%*, IRF*, LFR*, MFR*, HFR*, RET-H*e**, RBC-H*e**, Delta-H*e**, HYPO-H*e**, HYPER-H*e**
• BF	• WBC-BF*, RBC-BF*, MN#*, MN%*, PMN#*, PMN%*, TC-BF#*
Research parameters • CBC+DIFF	• PLT-I, TNC, WBC-N, TNC-N, BA-N#, BA-N%, WBC-D, TNC-D, NEUT#&, NEUT%&, LYMPH#&, LYMPH%&, HFLC#, HFLC%, AS-LYMPH%L*, RE-LYMPH%L*, BA-D#, BA-D%, NE-SSC, NE-SFL, NE-FSC, LY-X, LY-Y, LY-Z, MO-X, MO-Y, MO-Z, NE-WX, NE-WY, NE-WZ, LY-WX, LY-WY, LY-WZ, MO-WX, MO-WY, MO-WZ
• RET	• RBC-O*, PLT-O*, RET-Y*, RET-RBC-Y*, IRF-Y*, FRC#*, FRC%*, RPI*, RET-UPP*, RET-TNC*, HGB-O*, MCHC-O*, Delta-HGB*
• BF	• HF-BF#*, HF-BF%*, NE-BF#*, NE-BF%*, LY-BF#*, LY-BF%*, MO-BF#*, MO-BF%*, EO-BF#*, EO-BF%*, RBC-BF2*
Scattergrams & histograms	• Up to 15 scattergrams • Up to 4 histograms
Profiles • Standard	• CBC (NRBC) • CBC (NRBC) + DIFF
• Optional (depending on the configuration)	• CBC+RET • CBC+DIFF+RET • Body fluid
Technologies	• Fluorescence flow cytometry • Hydrodynamic focussed impedance measurement • Light-emitting diode (LED) photometry
Throughputs • CBC • CBC+DIFF • CBC+DIFF+RET • CBC+RET • Body Fluid analysis	• Up to 100 samples/hour • Up to 100 samples/hour • Up to 83 samples/hour • Up to 83 samples/hour • Up to 40 samples/hour (BF mode only)
Sampler unit loading capacity	• 5 racks (50 samples)
STAT function	• Approx. 1 min by using the manual mode

Reagent management	• Full traceability • Uniquely barcoded reagents • Reagent replacement history

Data storage	
• Analysis registration function	• 2,000 records
• Samples (incl. graphics)	• 100,000 results (including histograms and scattergrams)
• Patient information	• 10,000 records
• Wards registered	• 200 wards
• Doctors names registered	• 200 names
• Selective test orders	• 12 discrete profiles (depending on the configuration)
• Quality control files	• 99 files 300 plots x 94 files (L-J control) 300 plots x 5 files (XbarM control)
• Reagent replacement history	• 5,000 records
• Maintenance history	• 5,000 records

QC functions	
• Xbar and or L-J	• 300 plots x 94 files (L-J control)
• Xbar M	• 300 plots x 5 files (XbarM control)

[*] The availability of these parameters depends on your system configuration.

Technical specifications

Feature	Description
Interface	LP, DP, GP, host computer via LAN
Operating temperature	15 to 30 °C
Operating humidity	30 to 85 %
Power supply • Main unit • Sampler • Pneumatic unit	• AC 100 to 240 V (50/60 Hz) • AC 100 to 240 V +/-10 % • AC 100 to 117 V (50/60Hz) AC 220 to 240 V (50/60 Hz)
Power consumption • Main unit • Sampler • Pneumatic unit	• 270 VA or less • 110 VA or less • 50 Hz: 230 VA or less (100-117 V), 220 VA or less (220-240 V) 60 Hz: 280 VA or less (100-117 V), 250 VA or less (220-240 V)

Acoustic noise level	60 dB or less

Dimension	
• Main unit (incl. sampler unit)	• 520 x 840 x 680 mm (W x H x D)
• Pneumatic unit	• 280 x 400 x 355 mm (W x H x D)

Weight	
• Main unit (incl. sampler unit)	• Approx. 70 kg
• Pneumatic unit	• Approx. 17 kg

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.

Sysmex Europe SE · Bornbarch 1, 22848 Norderstedt, Germany · Phone +49 40 52726-0 · Fax +49 40 52726-100
info@sysmex-europe.com · **www.sysmex-europe.com**

3