Product Fact Sheet
XN-350

Standard clinical values

- Standard routine CBC and DIFF testing delivers a great range of clinically relevant parameters. The DIFF testing supports the detection of infections and provides guidance for diagnosis and therapy monitoring of infections by reliably counting immature granulocytes (IG).

Product name

XN-350

Optional clinical values

- Using the optional RET application, reliable diagnosis of anaemic patients, based on the complete picture of the erythropoiesis by qualitative and quantitative information becomes standard. Early prognosis for therapy monitoring can be realised by advanced clinical parameters and their combinations (e.g. RET-H_e, IRF).
  In addition, the RET application provides improved PLT count reliability due to an automated switching algorithm in the case of interferences such as RBC fragments, microcytic RBC or giant PLT etc.

Manufacturer information

Sysmex Corporation
www.sysmex-europe.com

Summary

The XN-350 is a member of the XN-L Series and part of the XN-Class. Encompassing Sysmex Silent Design®, high levels of performance and operability and proven Sysmex technology, the XN-350 provides full flexibility of profiles in haematology testing.

- Using the optional BF application, availability of results with high precision in clinically relevant concentration ranges and support in detection of inflammatory processes (e.g.by WBC-BF count completed by PMN, MN) by using the optional BF mode becomes standard.

Main components

BOM	Item	Description	Qty
SE000620	XN-350	XN-350 main unit including items listed in the table below	1

The following items are included in the BOM:

Article No.	Item	Description	Qty
AW618382	XN-350	XN-350 main unit (excl.supply parts)	1
38000340	Handheld BR Gryphon	Handheld barcode reader (excl. cable for	1

Optional productivity values

- Reliable analysis and accurate WBC counts including differentials for leucocytopenic samples in L-WBC measurement mode.

- Decreased TAT by using the Speed-up application due to increased throughput from 60 to 70 samples/hour.

Article no.	Item	Description	Qty
		connection to instrument)	
38000313	CAB-426 CABLE XN/XT/XS/UF-1000I	Cable for connection of handheld barcode reader to instrument	1
CE537607	XN-350/450 SUPPLY PARTS (EU)	Supply parts (for detailed content see IFU)	1
ZE000539	Perixx Keyboard PERIBOARD-505H PLUS [US]	Additional keyboard for service (international keyboard)	1
ZE000671	XN-L PRBC FLAG LICENCE	XN-L licence to activate the iRBC? Flag, which is mandatory on each XN-L analyser	1
ZE000544	XN-L INSTALLATION KIT	XN-L Labelling KIT	1

Optional components

Article no.	Item	Description	Qty
ZE000540	XN-L BF licence	XN-L licence for the BF mode	1
ZE000541	XN-L RET licence	XN-L licence for the RET channel	1
ZE000542	XN-L L-WBC licence	XN-L licence for the low WBC mode	1
ZE000543	XN-L Speed-up licence	XN-L licence for higher throughput	1
ZE000583	AGED SAMPLE IDENTIFIER	XN-L software ASI Package, includes: ASI certificate, 3 APP stickers and a fixing template to place the stickers properly on the analyser	1
01330061	PU-17 COMPLETE 200V(white)	Additional pneumatic unit for use at high altitude	1
ZE000321	*Extended* IPU Media kit	SW to interlink all Sysmex workplaces to improve sample and data workflow	1
VS933AV	*Extended* IPU server hardware Standard	Computer hardware for the *Extended* IPU server	1
XL510AV	*Extended* IPU client hardware	Computer hardware for an *Extended* IPU client	1

Article no.	Item	Description	Qty
XN375ATABB	*Extended* IPU TFT monitor	TFT monitor for *Extended* IPU server and client hardware	1
SE000893	*Ext.* IPU SQLSV 2012 STD RT 1 LIC 5 CAL	SQL Server Licence for *Extended* IPU; CAL licence package including licences for 5 CALs	1
ZE000902	Handheld BR GRYPHON Cordless complete	Handheld cordless barcode reader as alternative for 38000340	1
38000305	Gryphon Desk-/Wall Holder	Wall holder for handheld barcode reader 38000340	1
AK369883	Intake Tube ASSY NO. 12	For connecting 20 L CELLPACK DCL (politainer)	1
ZE000550	Spout Kit FOR 5L POLITAINER	For connecting 5 L Sulfolyser (politainer) and 5L Lysercell WDF (politainer)	1
CM915147	Intake Tube ASSY NO. 70	For connecting 4 L Lysercell WDF (paper pack) and 1.5 L CELLPACK DFL (paper pack)	1

Reagents

Article no.	Item	Qty
CU228496	CELLPACK DCL	10 L
05433514	SULFOLYSER	1 x 500 mL
90411317	SULFOLYSER	3 x 500 mL
BG689680	LYSERCELL WDF	1 x 2 L
AA325279	FLUOROCELL WDF	2 x 22 mL
83401621	CELLCLEAN	1 x 50 mL
CF579595	CELLCLEAN AUTO	20 x 4 mL
AR829995	CELLPACK DFL	1 x 1 L
CU920210	FLUOROCELL RET	2 x 12 mL

Quality control and calibration

Article no.	Item	Qty
213570	XN-L CHECK L1	6 x 3 mL
213571	XN-L CHECK L2	6 x 3 mL
213572	XN-L CHECK L3	6 x 3 mL
213484	XN Check L1	8 x 3 mL

213485	XN Check L2	8 x 3 mL
213486	XN Check L3	8 x 3 mL
213510	XN Check BF	2 levels 3 x 3 mL
213523	XN CAL	3 x 3 mL
ZE000600	USB STICK XN-L CHECK	1
ZE000528	USB STICK XN Check/XN Check BF	1
ZE000548	USB STICK XN CAL	1

Specifications

Feature	Description
Standard parameters	28 Standard diagnostic parameters **CBC** WBC, RBC, HGB, HCT, MCHC, MCH, MCV, PLT, RDW-SD, RDW-CV, MPV, PDW, P-LCR, PCT, MicroR, MacroR **XN-DIFF** NEUT%, MONO%, EO%, BASO%, LYMPH%, IG%, NEUT#, MONO#, EO#, BASO#, LYMPH#, IG#
Optional parameters	18 Optional diagnostic parameters **RET** RET%, RET#, IRF, LFR, MFR, HFR, RET-H$_e$, Delta-H$_e$, RBC-H$_e$, HYPO-H$_e$, and HYPER-H$_e$ **XN-BF** WBC-BF, RBC-BF, PMN%, PMN#, MN%, MN#, TC-BF#
Research parameters	31 Research parameters **XN-DIFF** TNC, TNC-C, TNC-D, WBC-C, WBC-D, NE-SSC, NE-SFL, NE-FSC, NRBC #, NRBC %, HFLC#, HFLC% **RET** FRC#, FRC%, RPI, RBC-O, HGB-O, MCHC-O, Delta-HGB, PLT-O **XN-BF** HF-BF#, HF-BF%, NE-BF#, NE-BF%, LY-BF#, LY-BF%, MO-BF#, MO-BF%, EO-BF#, EO-BF%, RBC-BF-2
Technologies	– Fluorescence flow cytometry – Hydrodynamic focused impedance measurement

	– SLS Haemoglobin method
Throughput CBC CBC+DIFF CBC+RET CBC+DIFF+RET Body Fluid (BF) analysis	Up to 60 (70[*1]) samples/hour Up to 60 (70[*1]) samples/hour Up to 35 samples/hour Up to 35 samples/hour Up to 30 samples/hour (BF mode only) [1] – With optional Speed-up Licence
Aspiration volume Manual mode Low WBC mode Pre-dilution mode Body fluid mode	 25 µL 25 µL 70 µL 70 µL
Data storage Samples (incl. graphics) Patient information Wards registered Doctors names registered Calibration log Quality control files Analysis registration function Reagent replacement history Maintenance history	 100,000 (including histograms and scattergrams) 10,000 200 wards 200 names 20 records 99 files (300 plots per file) 2,000 records 5,000 records 5,000 records
QC functions Xbar and or L-J XbarM	 300 plots x 96 files (L-J control) 300 plots x 3 files (XbarM control)
Weight	Approx. 35 kg
Dimensions	Approx. 450 (W) x Approx. 460 (D) x Approx. 510 (H) mm
Interface	RS-232C, 2x Ethernet (RJ45), 4x USB
Operating system	Embedded Microsoft ® Windows 7 with McAfee Security
Operative temperature	15 to 35 °C
Operative humidity	20 to 85 %
Noise level	60dB or less
Power requirement	AC 100 to 240 V (50/60 Hz)
Power consumption	235 VA

Reference: XN-L BO, GI & TS IFU 1606