

# XN-9100

Concentrated power for your growing demands.



## Key specifications

### Measurement principles

WBC DIFF/RET/PLT-F/WPC: Fluorescence Flow Cytometry  
RBC/PLT: Hydrodynamically focussed impedance  
HGB: Cyanide-free SLS haemoglobin

### Throughput

From 2 modules of XN-10/20 in combination with SP-50 (H mode):

from 200 samples/h in whole blood (WB) mode,  
up to 40 samples/h in body fluid (BF) mode per module,  
up to 30 slides/h in standard mode per module,  
up to 75 slides/h with the optional high-throughput licence per module

### Aspiration volume

XN module:

88 µL in whole blood (WB) mode and body fluid (BF) mode

SP-50 module:

70 µL for smear preparation in auto mode,  
38 µL for smear preparation in manual mode

### Analysis parameters

Whole Blood

WBC, NRBC%, NRBC#, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD, RDW-CV, MicroR%, MacroR%, PDW, MPV, P-LCR, PCT, NEUT%, NEUT#, LYMPH%, LYMPH#, MONO%, MONO#, EO%, EO#, BASO%, BASO#, IG%, IG#

With RET (optional)

RET%, RET#, IRF, LFR, MFR, HFR, RET-H<sub>e</sub>, RBC-H<sub>e</sub>, Delta-H<sub>e</sub>, HYPO-H<sub>e</sub>%, HYPER-H<sub>e</sub>%, PLT-O

With PLT-F (optional)

PLT-F, IPF, IPF#

With WPC (optional)

Extended Inflammation Parameters licence: NEUT-GI, NEUT-RI, RE-LYMP%, RE-LYMP#, AS-LYMP%, AS-LYMP#

XN Stem Cells licence:

HPC%, HPC#

Body Fluids with XN-BF (optional)

WBC-BF, RBC-BF, MN%, MN#, PMN%, PMN#, TC-BF#

### Sampler unit capacity

25 racks (250 samples) – Start Yard (ST-40) capacity

### Integrated optional module

DI-60 for digital image analysis

Tube sorter TS-10

Tosoh HLC-723 G11\* – automated glycohaemoglobin analyser

Interrliner\* – automated ESR reader

### Staining protocols (SP-50)

May Grünwald – Giemsa, Wright – Giemsa, Wright

### Data storage capacities

#### (XN module)

Results: 100,000 samples

Patient information: 10,000 records

QC files: 99 files (300 plots per file)

Reagent replacement history: 5,000 records

X-bar control (L-J control): 300 plots x 94 files

X-barM control: 300 plots x 5 files

\*only in certain countries

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