

XN-1500

Count. Smear. Stain. All-in-one haematology.



Key specifications

Measurement principles

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

Throughput

XN-module: up to 100 samples/h in whole blood (WB) mode,
up to 40 samples/h in body fluid (BF) mode

SP-50 module: up to 30 slides/h in standard mode,
up to 75 slides/h with the optional high-throughput licence

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_e, RBC-H_e, Delta-H_e, HYPO-H_e%, HYPER-H_e%, 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

10 racks (100 samples)

Integrated optional module

DI-60 for digital image analysis

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