

Specifications

Principles: WBC, RBC and PLT : Electrical Resistance detection
 HGB : SLS Hemaglobin
 HCT : Cumulative Pulse Height Detection

Parameters: 18 Parameters
 WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT,
 LYM%, MXD%, NEUT%, LYM#, MXD#, NEUT#,
 RDW-SD, PDW[†] MPV, P-LCR[†]

Throughput: Approx. 60 Samples / Hour

Sample Volume : Whole Blood mode - 50 µl
 Predilute mode - 20 µl

Precision : Parameter Whole Blood Mode
 WBC 3.5% or lower
 RBC 2.0% or lower
 HGB 1.5% or lower
 HCT 2.0% or lower
 PLT 6.0% or lower

Linearity:
 WBC 1.0 - 99.9 x 10³/µl (within ± 0.3 x 10³/µl or ± 3%)
 RBC 0.30 - 7.00 x 10⁶/µl (within ± 0.3 x 10⁶/µl or ± 3%)
 HGB 0.1 - 25.0 g/dl (within ± 0.2 g/dl or ± 2%)
 HCT 10.00 - 60.0% HCT% (within ± 1.0 HCT% or ± 3%)
 PLT 10 - 999 x 10³/µl (within ± 10 x 10³/µl or ± 5%)
 (When RBC < 7.00 x 10⁶/µl)

Data Storage: 240 patient results

Interfaces: Serial port for host computer (optional)

Built-in Thermal Printer : 5 x 7 dots, 21 characters per line (128 dots / line)

Dimensions: Approx. 420 x 480 x 355
 W x H x D (mm)

Weight (kg): Approx. 28

Power Consumption : 230 VA or less

† In some areas these parameters may be used for research or investigational purposes only. In the United States of America, PDW and P-LCR are not to be reported. These parameters are for investigational use only through prior agreement with SYSMEX CORPORATION OF AMERICA.

Automated Hematology Analyzer KX-21



**The Best
Service Support Team
Over 100 Trained Professionals**



Sysmex Corporation
 obtained ISO 9001,
 EN 46001 and ISO 13485
 Certifications.



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KX-21

Technology for Simplicity

*A Compact
Fully-Automated Hematology Analyzer...
Simply Meets Your Needs*



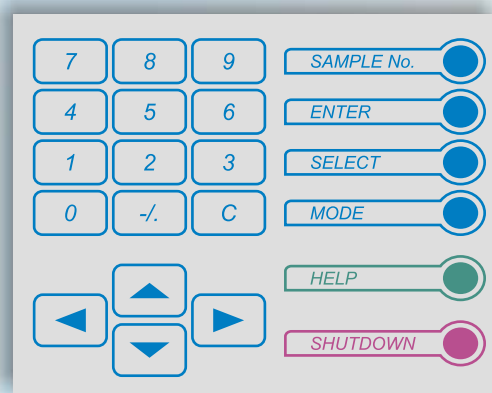
SYSMEX CORPORATION

Proven track record with 4500+ installations of Sysmex Hematology Analyzers in India

Technology for Simplicity

Simplicity in Operation

- Fully automated hematology analyser with 18 parameters, 3 part differential count.
- Single button start-switch to aspirate blood sample.
- Auto probe wiping facility for operator safety.
- Built in printer.
- Large screen to display all the parameters alongwith 3 histograms for WBC, RBC & PLT.

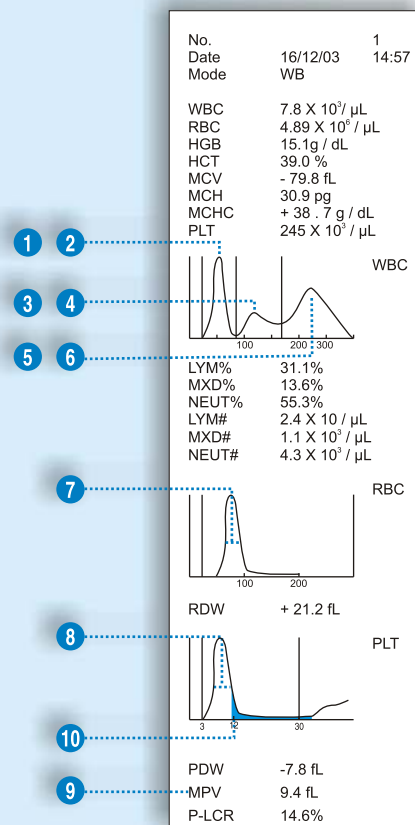


Simplicity for Multiparameter Analysis

- Data for 18 parameters, plus 3 histograms for WBC, RBC and PLT's.
- Sample requirements are , only 50 µl for 18 parameters in whole blood mode & 20 µl in predilute mode.
- Option to have RDW in the form of S.D. or C.V. for accurate screening of anisocytosis in RBCs.
- Extended linearity for all the parameters.
- Data storage of 240 patient results

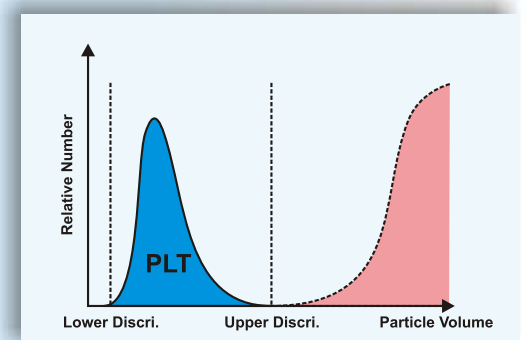
10 Analytical Parameters obtained with the KX-21

1	LYM%	(W-SCR)	(WBC - Small Cell Ratio)
2	LYM#	(W-SCC)	(WBC - Small Cell Count)
3	MXD%	(W-MCR)	(WBC - Middle Cell Ratio)
4	MXD#	(W-MCC)	(WBC - Middle Cell Count)
5	NEUT%	(W-LCR)	(WBC - Large Cell Ratio)
6	NEUT#	(W-LCC)	(WBC - Large Cell Count)
7	RDW-SD	or-CV	(RBC Distribution Width SD or CV)
8	PDW	(PLT - Distribution Width)	
9	MPV	(Mean Platelet Volume)	
10	P-LCR	(PLT - Large Cell Ratio)	



Simplicity in Quality Management

- Highly accurate detection technology including precise **Sample Rotor Valve (SRV)**.
- Optimal cell size discrimination using **floating discriminators** for WBC (tri-modal curve) RBC & PLTs.
- Monitoring and flagging functions for reliable reporting.
- Built-in QC programs : \bar{X} and L - J Plot.
- Long calibration stability.
- Unique Internal & International Quality Control Support from Sysmex Transasia



Simplicity in Maintenance

- Automatic start-up, electronic self-checking, rinsing and background count check.
- Automatic alarm for maintenance.
- Easy to use, pre-programmed, software-driven maintenance sequences.
- Sturdy hydraulics eliminate periodic replacement of any parts.

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1	Stored Data
2	Quality Control
3	Calibration
4	Replace Reagent
5	Auto Rinse
6	Settings
7	Maintenance
8	Periph. Settings