

HEMATOLOGY ANALYZER

Compact Design & Cost Effective 3-part 21 Parameter Analyzer

PENTAGAN

PHA - 23i Plus PREMIUM

NEXT GENERATION HEMATOLOGY ANALYZER



DOUBLE CHAMBER

- WBC
- RBC
- Lymph#
- Lymph%
- Mid#
- Mid%
- Gran%
- Gran#
- HGB
- HCT
- MCV
- MCH
- MCHC
- RDW-SD
- RDW-CV
- PLT
- MPV
- PDW
- PCT
- P_LCC
- P_LCR



PENTAGAN MEDICAL INSTRUMENTS

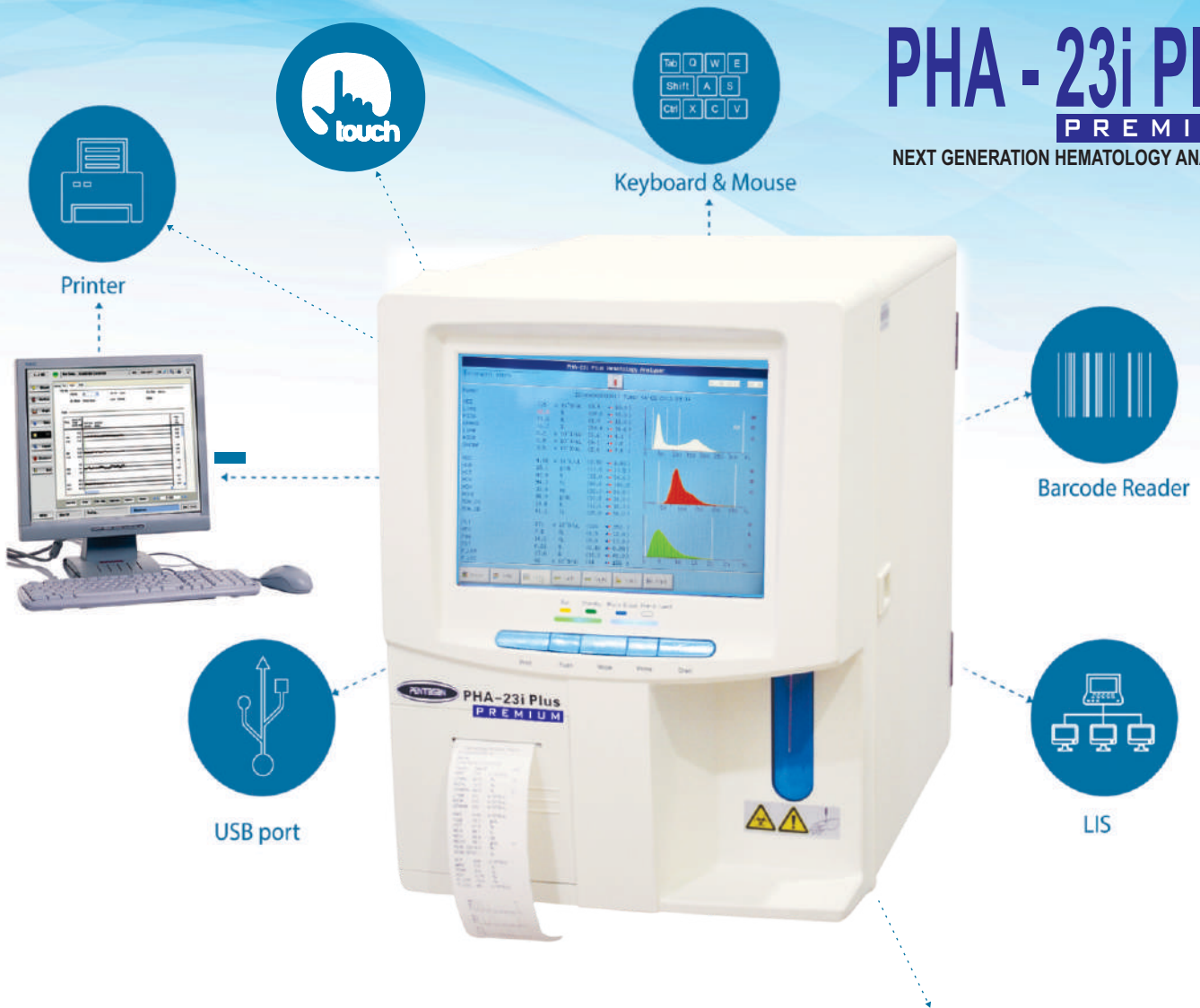
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21 Parameters & 3 Histograms

PHA - 23i Plus

PREMIUM
NEXT GENERATION HEMATOLOGY ANALYZER



DOUBLE CHAMBER

BLOOD SAMPLE MODE

- Whole Blood sample mode
- Paediatric Sample mode
- Capillary Sample mode



PRINTER



PARAMEDICAL
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Italy

Final report in A4 Format including Normal range & Smear Study abnormality Flags.



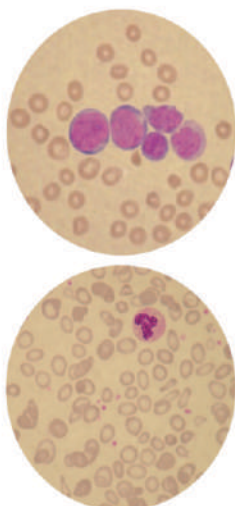
NEXT GENERATION HEMATOLOGY ANALYZER-14TYPE FLAG ABNORMITY & SMEAR STUDY

- 6**
- W**
- Neutropenia
- Neutrophilia
- Lymphopenia
- Lymphocytosis
- B**
- Leukocytopenia
- Leukocytosis
- C**

- 6**
- R**
- Anisocytosis
- Microcytosis
- Macrocytosis
- Hypochromia
- B**
- Anemia
- Erythrocytosis
- C**

- 2**
- P**
- Thrombocytopenia
- Thrombocytosis
- L**
- T**

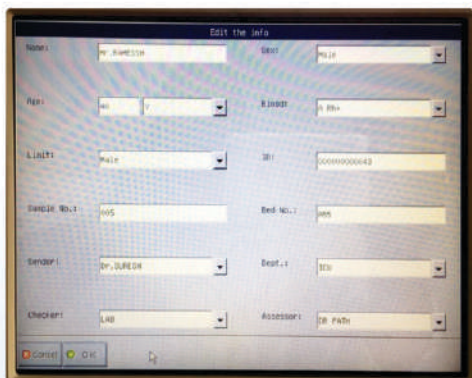
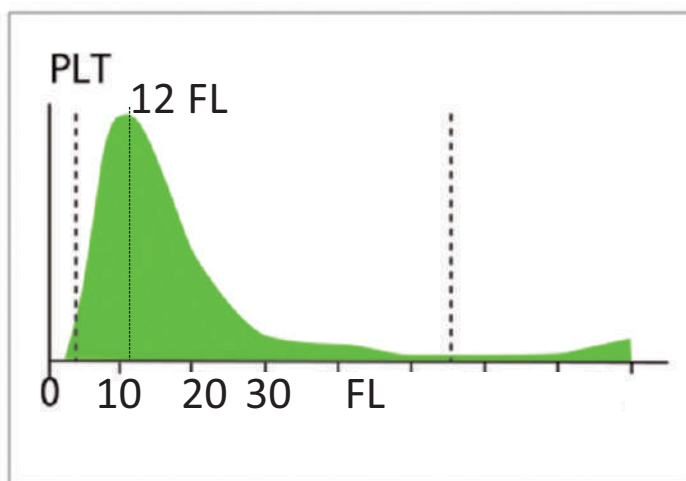
FLAG ABNORMITY



Besides of the routine CBC + DIFF results, PHA-23i+ offers intelligent flagging system can help doctors fish out suspicious cases for further validation check. For example, microcytosis, anemia, eosinophilla, PLT clump and so on.



P - LCR



1 Lakhs Results storage with patient informations

Sample No.	Result	Unit	Reference Range
001	12.5	FL	10-15
002	15.2	FL	10-15
003	18.7	FL	10-15
004	22.1	FL	10-15
005	25.5	FL	10-15
006	28.9	FL	10-15
007	32.3	FL	10-15
008	35.7	FL	10-15
009	39.1	FL	10-15
010	42.5	FL	10-15

QC MONITORING

60 QC files are designed to store L-J QC results.

PHA - 23i Plus

PREMIUM

Next Generation Hematology Analyzer

TECHNICAL SPECIFICATION



Principle

Impedance method for WBC, RBC and PLT counting, Cyanide free reagent for hemoglobin test.

Performance

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC($10^3/L$)	0-100	$\leq 3.5\%$ (4.0-6.9) $\leq 2.0\%$ (7.0-10.5)	$\leq 0.5\%$
RBC($10^{12}/L$)	0-8.00	$\leq 1.5\%$ (3.5-6.5)	$\leq 0.5\%$
Hgb(g/L)	0-280	$\leq 1.5\%$ (100 - 180)	$\leq 0.5\%$
MCV (fL)		$\leq 1.0\%$ (70 - 110)	
PLT ($10^9/L$)	0.999	$\leq 5.0\%$ (100 - 149) $\leq 4.0\%$ (150 - 500)	$\leq 1.0\%$

Reagent

Pentagan DILUENT	20 Ltr.
Pentagan SHEATH	5 Ltr.
Pentagan LYSE	500 ml
DAILY CLEANER	100 ml

Sample Volume

Predilute mode	20 μ l
Whole blood mode	18 μ l

Display

10.4 inch TFT Touch Screen

Data Storage Capacity

Up to 1,00,000 results including numeric and graphical information.

Throughput 60 test per hour.

Communication

Lan Port support, HL7 protocol
Support LIS

Interface

4 USB port (for external printer, software upgrade, barcode reader, WIFI adapter, keyboard and mouse)
LAN port (1)

Printout

Thermal recorder, 57mm wide paper, various printout formats
External printer optional (Laserjet HP P1108)

Operating Environment

Temperature : 10°C - 30°C
Humidity : 10°C - 90°C
Air Pressure : 70kPAN106kPa

Power Requirement

100V-240V
 $\leq 300VA$
50Hz/60Hz

Dimension and Weight

Dimension : W (330mm) x D (440mm) x H(500mm)
Weight : $\leq 20Kg$

Interface Software

- Interface software provider flags on abnormal WBC, RBC & PLT.
- Facilities to print & store patient results.

Designed By



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Imported & Marketted By



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