

Technical Specifications:

<ul style="list-style-type: none"> Parameters 22 reportable parameters: WBC, LY, MID, GR, LY%, MID%, GR%, Hgb, RBC, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, PCT, MPV, PDW-SD, PDW-CV, Mentzer index, Sehgal index 4 Research parameters: PLCR*, PLCC*, GLR*, PLR* 	<ul style="list-style-type: none"> Measuring Method Electrical Impedance for WBC, RBC and platelets Non-cyanide Photometric Hemoglobin detection method
<ul style="list-style-type: none"> Sample Mode & Aspiration Volume Whole Blood – 7.5µL, Dilution or High mode - 3.75µL 	<ul style="list-style-type: none"> Calibration Manual & Automatic calibration
<ul style="list-style-type: none"> Throughput Results within 45 seconds 	<ul style="list-style-type: none"> Reagent System Diluent, Lyze, Cleaner
<ul style="list-style-type: none"> Display 8" Touch Panel Colour LCD with back light 	<ul style="list-style-type: none"> Quality Control Tri-level QC with LJ plot
<ul style="list-style-type: none"> Alarm System Low volume (20%) blinking indicator for Diluent, Lyze and Cleaner 	<ul style="list-style-type: none"> Operating Environment Temperature: 15°C - 35°C Humidity: 30 - 80%
<ul style="list-style-type: none"> Auto Blanking Yes 	<ul style="list-style-type: none"> Printer Built-in thermal printer
<ul style="list-style-type: none"> Data Storage 20,000 Patient Records with Histogram 	<ul style="list-style-type: none"> External Output RS232, USB
<ul style="list-style-type: none"> Histograms RBC, WBC and Platelets 	<ul style="list-style-type: none"> Weight Approx 17kg
<ul style="list-style-type: none"> Dimensions L(430mm) x W(280mm) x H(425mm) 	<ul style="list-style-type: none"> LIS Unidirectional
<ul style="list-style-type: none"> Power Requirement 110/220VAC (±10%), 50/60Hz (± 3Hz), 75W 	

Transforming reports into informed solutions with 17 Pathological flags :

RBC flags : Hypochromasia, Anisocytosis, Microcytosis, Macrocytosis, RBC Agglutination, Erythrocytosis, Anemia, Hgb Interference, Dimorphic Anemia
WBC flags : Leucocytosis, Leucopenia, Lymphocytosis, Lymphopenia
PLT flags : Thrombocytosis, Thrombocytopenia, Large Platelet, RBC/Platelet interference

*Specifications are subject to change without the prior notice of manufacturer.

MKT-BRO-021-01

HT-340

3 - PART HEMATOLOGY ANALYZER



- 22 reportable & 4 research parameters
- 17 pathological flags
- Accurate differentiation between Iron Deficiency Anemia & β Thalassemia (minor) using Mentzer & Sehgal index
- Minimum sample quantity required- 7.5 μ L
- Ideal for routine laboratories

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Quality and Performance :

- High linearity
- Dual mode operation
- 17 Flags for improved diagnosis

Stand by mode :

- Activated if not in use for 5 mins
- No reagent consumption
- Most unique feature with lowest operating cost

User friendly Ergonomics :

- 8" Touch screen system with large back- light LCD screen allows easy and simple operation
- Built-in thermal printer

Sample modes :

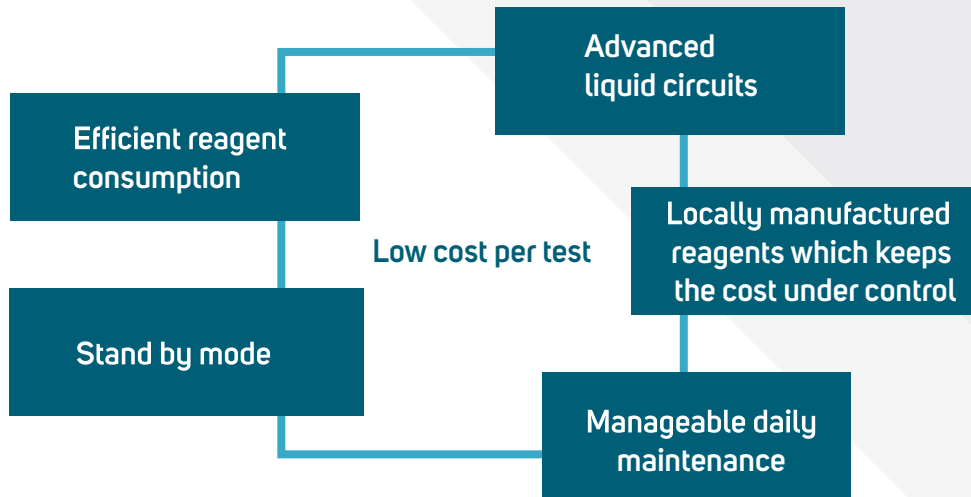
- Normal mode - Usual blood sample
- Dilution or High Mode

Accurate & Reliable results :

- Advanced Impedance technology ensures accurate and reliable results with just 7.5µl sample

Automation at its best :

- Probe cleaning and internal system cleaning
- Floating & fixed discriminators



Linearity Range

WBC	0.0	~	100.0	(x10 ³ /µL)
RBC	0.00	~	10	(x10 ⁶ /µL)
Haemoglobin concentration	0.0	~	30	(g/dL)
Platelet	0	~	1600	(x10 ³ /µL)

Precision

Whole Blood Measurement	WBC	< 3.00%
	RBC	< 2.00%
	Haemoglobin concentration	< 2.00%
	Hematocrit	< 2.00%
	Platelet	< 5.00%
High mode Measurement	WBC	≤ 7.00%
	RBC	≤ 5.00%
	Haemoglobin concentration	≤ 5.00%
	Hematocrit	≤ 5.00%

* In normal samples

Patient report

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*****TEST RESULT*****
Date : 12/01/2024 12:08:23
Patient No : 30
Patient Name : SMP000000030
MODE : VEIN
*****
WBC 11.0 103/uL
LY 2.8 103/uL
MO 0.9 103/uL H
GR 7.3 103/uL H
LY% 25.5 %
MO% 7.8 %
GR% 66.7 %
RBC 4.48 106/uL L
Hgb 15.5 g/dL
HCT 42.7 %
MCV 95.2 fL H
MCH 34.5 pg H
MCHC 36.2 g/dL H
RDWc 16.0 % H
RDWs 65.0 fL H
PLT 408 103/uL
PCT 0.39 % H
MPV 9.6 fL
PDWc 27.0 % H
PDWs 11.0 fL L
PLCR 33.4 %
PLCC 136.2 103/uL H
MI 21.2
SI 2021.4
GLR 2.6
PLR 145.7
  
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Our presence across the globe is itself testimony to our consistent efforts towards quality.