

Yumizen H60



Only 3 Reagents for testing

Physical Specifications

Dimensions And Weight of Analyzer:

HxWxL- 43x36x35cm

Weight- 17 Kg

Printer: Inbuilt thermal printer + 80 Column Dot Matrix Printer

Display: Interactive touch screen for displaying results with histogram

Throughput: Up To 60 Sample/Hour

Sound Pressure Level: <60 db

Operating Temperature & Humidity.:
18 to 32°C (65 to 90°F) Room Temp.

Humidity: Maximum relative Humidity, 80% for temp. up to 31°C (88°F) decreasing linearly to 50% relative humidity at 40°C (104°F)

Specimen Volume: CBC + 3 Part DIFF-10µl

Power Requirement:

Power supply: 100V-240V (+/- 10%) 50-60Hz

Power Consumption: Maximum: 65W

In use: 65W, Stand-by mode: 35W

Methods & Technologies:

RBC/PLT detection principles

Method	Impedance
Ruby diameter	50 µm
Depression of count	200 mb
Duration of count	2 (or 3) x 6 seconds
Dilution ratio	1/15 000

HGB measurement

Method	Photometry
Wavelength	555 nm
Dilution ratio	1/250

HCT measurement

Method	Numeric integration

WBC Measurement

Method	Impedance
Ruby diameter	80 µm
Depression of count	200 mb
Duration of count	2 (or 3) x 6 seconds
Dilution ratio	1/250

• 3-part Differentiation

Method	impedance + specific lyse action

• MCV, MCH, MCHC, RDW, PCT*, PDW* Calculation

Reagents

ABX Minidil LMG (10L), ABX Miniclean (1L), ABX Minilyse LMG (0.5L)

Software Specifications

- 8.0' LCD touch screen
- LCD screen with 2 lines of 40 alphanumerical characters
- Secure digital memory card
- Storage capacity: last result + 1,00,000 patient results
- Storage of results Color histogram with comprehensive flagging system
- Unidirectional connection RS232
- Transmit results and QC to LIS
- Quality control management

Parameters & Performance Data

18 Parameters

WBC	RBC	PLT
LYM# & LYM%	HGB	MPV
MON# & MON%	HCT	PCT
GRA # & GRA%	MCV	PDW*
MCH	MCHC	

Linearity:

Parameter	Linearity Limit	Visible Range
WBC	0 - 100 × 103/mm³	100 - 150 × 10³/mm³
RBC	0 - 8 × 10⁶/mm³	8 – 18 × 10⁶/mm³
HGB	0-26 g/dL	26-30 g/dL
HCT	0-80%	80-90%
PLT (Whole blood)	0-2200 x10³/mm³	2200 - 6000 x10³/mm³
PLT (PLT concentrate)	0-4000 x10³/mm³	4000 - 6000 x10³/mm³

Precision:

Parameter	%CV	at
WBC	2.5	10 x10³/mm³
RBC	2	5 x106/mm³
HGB	1.6	15g/dl
HCT	2.0	45%
LYM%	5.0	300 x10³/mm³
MON%	5.0	40%
GRA%	10	10%

Carry-over:

WBC	<0.5%
RBC	<0.5%
HGB	<0.5%
HCT	<0.5%
PLT	<0.5%

*(RUO parameter, Research Use Only.)

NORMS

CE Certification, Certificate No.: SIS020724S007

CE

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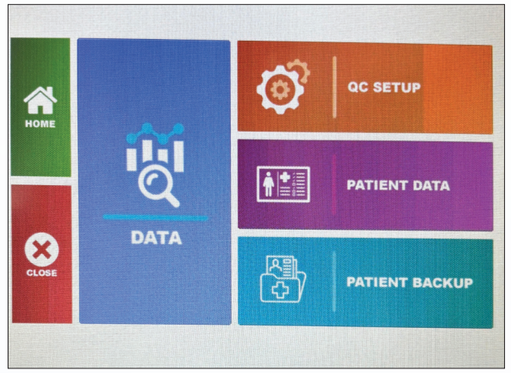
Process Efficiency in Hematology

Yumizen H60

Explore the future HORIBA

Heart of Micros & Advancements of Yumizen

Main Screen



"Precision in Every Drop"

- Multicolored operation bar
- Ease of use
- One colour one function

60 samples per hour

8" color display

Pre-dilution factor (mode ½ & ¼) for higher value sample

Dual operation touch & keypad

Micro sampling Concept 10 µL

Memory of 1,00,000 results with histogram with search option

Comprehensive Flagging system- 3 Diff Alarms

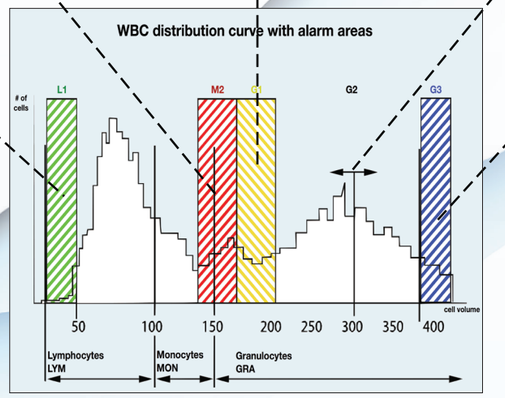
M2
- Lymphoblasts.
- Myelocytes.
- Abnormal lymphocytes.
- Basophilia.

G1
- **Eosinophilia.**

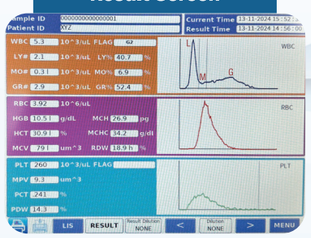
G2
- Granulocytes cell membrane anomalies.
- Technical or reagent problem.
- Granulocyte cell volume under 250fl.
- Old blood.

G3
- Metamyelocytes.
- Large immature cells LIC.

L1
- Platelet agg.
- NRBC.

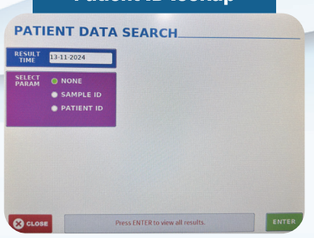


Result Screen



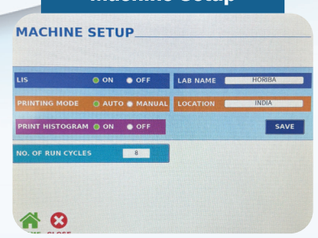
- 18 parameters for 3 cell lines
- Coloured Histogram

Patient ID lookup



- Search option based on sample ID & patient ID
- Easy to look back at any result
- Time saver

Machine Setup



- Machine Setup settings option as per lab requirements
- LIS compatibility
- Histogram printing option

QC Target sheet



- Reviewing and approving the QC Target Sheet
- Maintain the accuracy and reliability of data.

Better Screening



Mono % & # Useful in screening of Sepsis, Inflammations & other infections

Better Accuracy



Separate ruby aperture diameter size for RBC & WBC for more accurate counts