

Kivo HA-3

3-Part Differential Hematology Analyzer

An Analyzer with
impeccable Quality



Salient Features

- Low reagent consumption for startup & shutdown
- Cost-effective testing
- Accurate low platelet detection
- Excellent repeatability
- Reliable differential cell counts

24 parameters including:

WBC, Neu#, Lym#, Mid#, Neu%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW-SD, PDW-CV, PCT, P-LCR, P-LCC, NLR, PLR

Throughput

60 samples/hour

Principle

Impedance for WBC, RBC, PLT
Cyanide-free method for HGB

Histograms

3 histograms (WBC, RBC, PLT)

Sample volume

Whole blood mode: 9µl
Capillary mode: 9µl
Prediluted mode: 20µl

Calibration

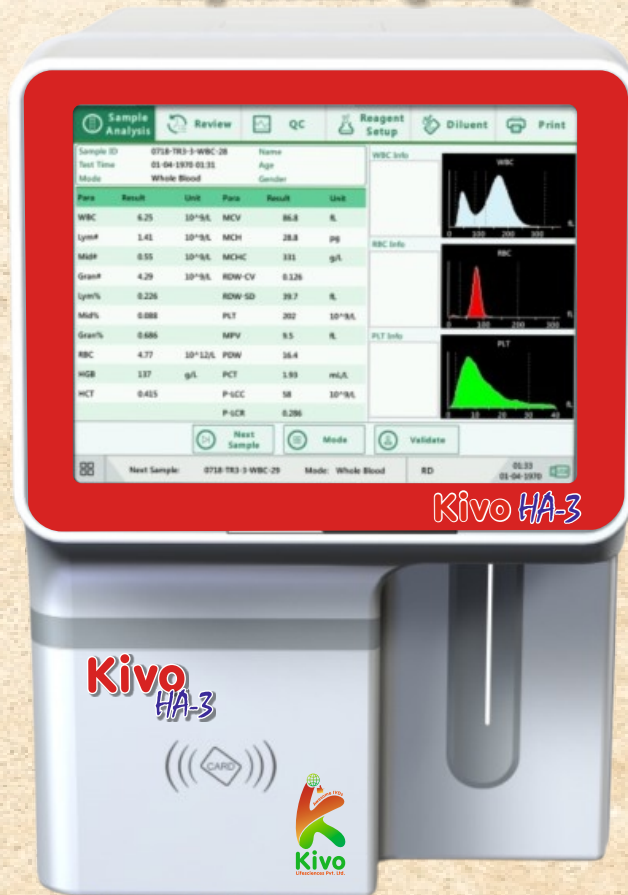
Manual calibration, auto calibration,
fresh blood calibration

Quality control

3-level QC
L-J QC, X-B QC

Print

Auto print, manual print
Communication



Reagent

Diluent: 20L, Lyse: 500ml
Probe cleanser: 50ml

Language

English, Spanish, Italian,
French, Russian,
Portuguese, Ukrainian,
etc.

Input and output

10.4 inch touch screen
Internal printer, support
external printer

Storage

500,000 results with
histograms

Blockage clear

High voltage, high
pressure flush

Interface

USB port, Network port

Dimension

430mm*280mm*400mm
(D*W*H)

Work environment

10-40°C, 10%-90%
100-240 AC, 50/60Hz,
160VA, 70kPa-106.0kPa

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Smart

Smart counting mode
For low WBC, PLT, or WBC/PLT samples
Better linearity for WBC and PLT

Modern & Sleek Design

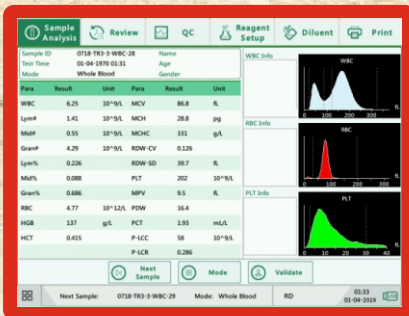
Compact and portable design
10-14 inch touch screen
Reagent room for Lyse
Built-in and external printer

Unparalleled

Built-in card reader
Lyse and diluent closed
Unique card for each bottle

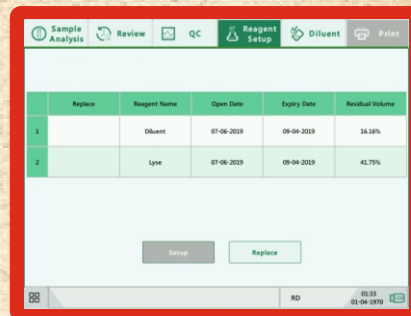
Efficient and Easy-to-use

Highlighted indicator light
Bi-directional LIS connection
Software update by USB drive



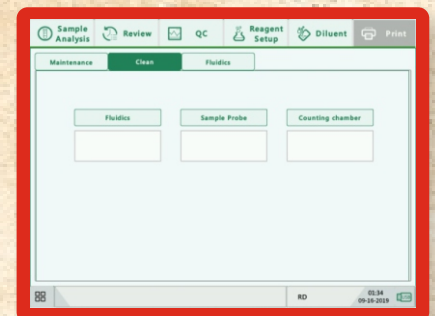
Powerful data management

Up to 500,000 results
Flag information for better diagnostics
Data export and QC file import by USB drive



Real-time monitoring

Reagent status (expiry date, residual, etc.)
Unit status (voltage, pressure, etc.)
Test number (amount in different modes)



Smart maintenance

Hardware self-checking
Multiple maintenance functions
Smart prompt and one-touch to remove error

Performance

Precision	Parameter	CV	Measurement range
	WBC	≤ 2.0%	(3.5-15.0) × 10 ⁹ /L
	RBC	≤ 1.9%	(3.5-6.0) × 10 ¹² /L
	HGB	≤ 1.9%	(110.0-180.0)g/L
	MCV	≤ 1.0%	(80.0-110.0)fL
PLT	≤ 4.0%	(150.0-500.0) × 10 ⁹ /L	

Linearity	Parameter	Measurement range
	WBC	(0-200.0) × 10 ⁹ /L
	RBC	(0-8.00) × 10 ¹² /L
	HGB	(0.0-250.0)g/L
	PLT	(0-5000) × 10 ⁹ /L



Real-time monitoring



Editable report



Color printing

Kivo Lifesciences Pvt. Ltd.
Plot .No: 1/B-12, Part-A, Second Floor,
SVCIE IDA, CIE Balangar, Tirumalagiri,
Hyderabad- 500037, Telangana



www.kivolifesciences.com



info@kivolifesciences.com



+91 70757 29588