



Z3

HEMATOLOGY ANALYZER

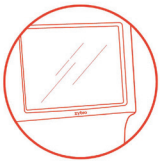


Hematology Analyzer Z3

Z3 is a new generation 3-diff hematology analyzer with 21 parameters and 3 histograms. It is designed for laboratories with low-volume workload yet it is capable of serving medium, or large laboratories as back-up.

This Z3 can deliver you confident results and maximize your workflow efficiency via its intuitive software interface, simplified hydraulic design and quality hardware module.

Highlight



Easy operation and maintenance
intuitive navigation menu
10.4-inch large touch screen

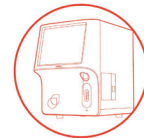


The fastest throughput
70 samples/h



Good performance in capillary blood mode

wb mode: 10ul
pd mode 20 ul
applicable for pediatric dept.



Compact design
small size for space saving



Cost Saving
two reagents lyse inside the analyzer
low reagent consumption



General Feature

One key to aspirate probe cleanser for deep cleaning in whole device.

Multi-language, such as Chinese, English, Spanish, Portuguese and etc.

Freely shift parameter unit, including Chinese, International, UK, French, Netherlands and etc.

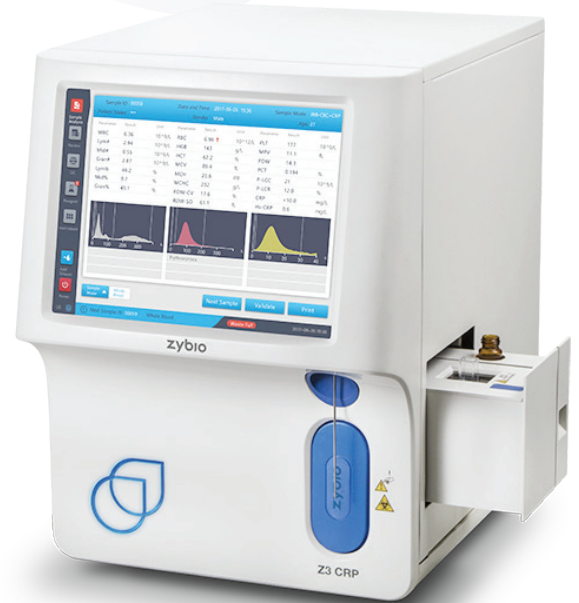
Longer shelf life up to 24 months for Diluent and Lyse.

Cyanide free measurement for HGB stable and environment-friendly liquid

Simplified and modern outer packaging stem from Swiss design.

Reagent inventory monitored by two ways including software and hardware components

Automatically loaded lot number and expiry information through a barcode scanner.




Expanded clinical performance

Parameter	Background	Precision	Carry-over	Linearity range	
		Detection Range	CV		
WBC(x10 ⁹ /L)	<0.2	(7.00-15.00)	<2.0%	<0.5%	(0-500.00)
RBC(x10 ¹² /L)	x0.02	(3.50-6.00)	<1.5%	<0.5%	(0-8.00)
HGB(g/dL)	<0.1	(11.-18)	<1.5%	<0.5%	(0-25)
HCT(%)MCV(fL)	HCT<0.5	MCV:(70-120)	<0.5%		HCT:(0-67)
PLT(x10 ⁹ /L)	<5	(100-149)	<6.0%	/	(0-5000)
		(150-500)	<4.0%	<1.0%	


Technical Specification

Principle	Impedance method for WBC, RBC,PLT counting Cyanide free reagent for HGB test
Throughput	70 samples per hour
Parameters	21 Parameter WBC.Lym#,Mid#,Gran#,Lym%,Mid%,Gran%,RBC,HGB HCT,MCV,MCH,MCHC,RDW-CV,RDW-SD,PLT,MPV,PDW,PCT,P-LCR,P-LCC 3 Histograms: WBC, RBC, PLT
QC Rule	L-J, X-B
Sample Volume	Whole blood;10ul Pre-diluted:20 ul
Reagent	2 reagents+1 maintenance cleanser (Diluent, Lyse, Probe cleanser)
Calibration	Manual calibration Auto calibration: Fresh blood, calibrator
Output	Built-in recorder, external printer(optional)
Input	10.4-Inch touch screen Mouse, keyboard (optnal)
Interface	LAN port, HL& protocol support bilateral LIS 4 USB ports for external printer, external barcode scanner, keyboard,etc.
Storage Capacity	>40,000 results including numeric and graphical information
Power Supply	100V-240V - 50/60Hz <200W
Working environment	Temperature: (15-30) °C
Weight	18 Kg
Dimension (mm)	300(W)X400(D)X410(H)



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