



# Hematology Analyzer Z3

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A new generation 3-diff hematology analyzer



Hematology

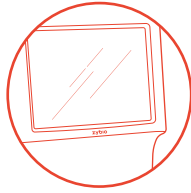


## Hematology Analyzer Z3

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

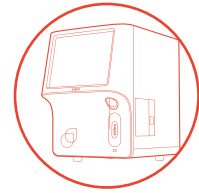


# Highlight



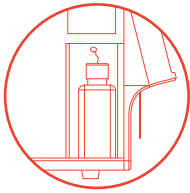
## Easy operation and maintenance

- Intuitive navigation menu 10.4-inch large touch screen



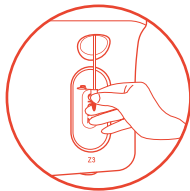
## Compact design

- Small size for space saving



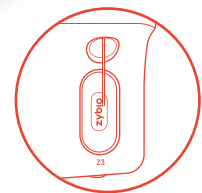
## Cost saving

- Two reagents, lyse inside the analyzer
- Low reagent consumption



## Good performance in capillary blood mode

- WB mode: 10  $\mu$ L
- PD mode: 20  $\mu$ L
- Applicable for pediatric dept.



## The fastest throughput

- 70 samples/h



## General Feature

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- 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 China, 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



# Performance & Specification

Performance					
Parameters	Background	Precision		Carry-over	Linearity range
		Detection Limits	CV		
WBC(10 <sup>9</sup> /L)	≤0.2	(7.00~15.00)	≤2.0%	≤0.5%	(0~300.00)
		(4.00~6.9)	≤2.5%		
RBC(10 <sup>12</sup> /L)	≤0.02	(3.50~6.50)	≤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:(70~110)	≤0.5%	/	HCT:(0~67)
PLT(10 <sup>9</sup> /L)	≤5	(100~149)	≤5.0%	≤1.0%	(0~4000)
		(150~500)	≤4.0%		
Specification					
Principle	Impedance method for WBC, RBC, PLT counting				
	Cyanide free reagent for HGB test				
Parameter	21 Parameters: 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				
Throughput	70 samples per hour				
Sample volume	Whole blood: 10 μl				
	Pre-diluted: 20 μl				
Reagent	2 reagents+1 maintenance cleanser				
	(Diluent, Lyse, Probe cleanser)				
Calibration	Manual calibration				
	Auto calibration: calibrator, fresh blood				
QC	L-J,X-B				
Input	10.4-inch touch screen				
	Mouse, keyboard (optional)				
Output	Built-in recorder, external printer (optional)				
Data storage	≥40,000				
Interface	LAN port, HL7 protocol, support bilateral LIS				
	4 USB ports for external printer, external barcode scanner, keyboard, etc.				
Power requirement	100V-240V~, 50/60Hz, < 200W				
Working environment	15°C-35°C				
Weight	18Kg				
Dimension(mm)	300(W)X400(D)X410(H)				



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