




Zybio 3

Haematology Analyzer Brochure



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Hematology Analyzer Z3.....

A new generation 3-diff hematology analyzer



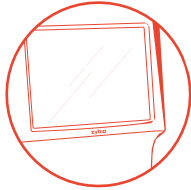


Hematology Analyzer Z3

Z3 is a new generation 3-diff hematology analyzer with 21 parameters and 3 histograms. It is designed for laboratories with low-volume workload. 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.

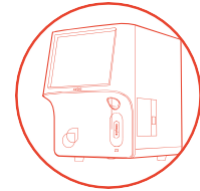


Highlight



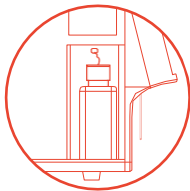
Easy operation and maintenance

- 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 μ L
- PD mode: 20 μ L
- Applicable for pediatric dept.



The fastest throughput

- 70 samples/h



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 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($10^9/L$)	≤ 0.2	(7.00~15.00)	$\leq 2.0\%$	$\leq 0.5\%$	(0~300.00)
		(4.00~6.9)	$\leq 2.5\%$		
RBC($10^{12}/L$)	≤ 0.02	(3.50~6.50)	$\leq 1.5\%$	$\leq 0.5\%$	(0~8.00)
HGB(g/dL)	≤ 0.1	(11~18)	$\leq 1.5\%$	$\leq 0.5\%$	(0~25)
HCT(%)/MCV(fL)	HCT ≤ 0.5	MCV:(70~110)	$\leq 0.5\%$	/	HCT:(0~67)
PLT($10^9/L$)	≤ 5	(100~149)	$\leq 5.0\%$	$\leq 1.0\%$	(0~4000)
		(150~500)	$\leq 4.0\%$		
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 μ l			
		Pre-diluted: 20 μ l			
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		$\geq 40,000$			
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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