

Hematology Analyzer Z3

(A new generation 3-diff hematology analyzer)



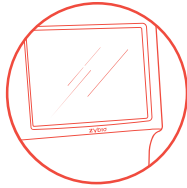


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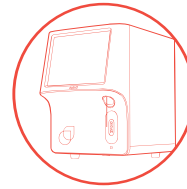
Z3 is a new generation 3-diff hematology analyzer with 21 parameters and 3 histograms. It is designed for laboratories with low-volume workload yet it is capable of serving medium or large laboratories as a back-up. This Z3 can deliver you confident results and maximize your workflow efficiency via its intuitive software interface, simplified liquid path design and quality hardware module.

Highlight



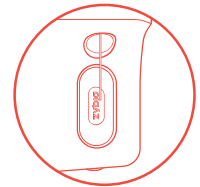
Easy operation and maintenance

Intuitive software
Navigation menu



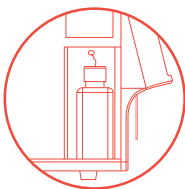
Compact design

Small size for space saving



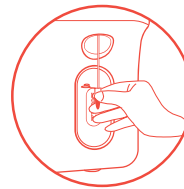
The fastest throughput

70 samples/h



Cost saving

Two reagents, lyse inside the analyzer
Low reagent consumption



Good performance in capillary blood mode

Pediatric dept. application



Performance & Specification

Performance

Parameters	Background	Precision		Carry-over	Linearity range
		Detection Limits	CV		
WBC($10^9/L$)	≤ 0.2	(7.00~15.00) (4.00~6.9)	$\leq 2.0\%$ $\leq 2.5\%$	$\leq 0.5\%$	(0~300.00)
RBC($10^{12}/L$)	≤ 0.02	(3.50~6.50)	$\leq 1.5\%$	$\leq 0.5\%$	(0~8.00)
HGB(g/L)	≤ 1	(110~180)	$\leq 1.5\%$	$\leq 0.5\%$	(0~250)
HCT(%)/MCV(fL)	HCT ≤ 0.5	MCV:(70~110)	$\leq 0.5\%$	/	HCT:(0~67)
PLT($10^9/L$)	≤ 5	(100~149) (150~500)	$\leq 5.0\%$ $\leq 4.0\%$	$\leq 1.0\%$	(0~4000)

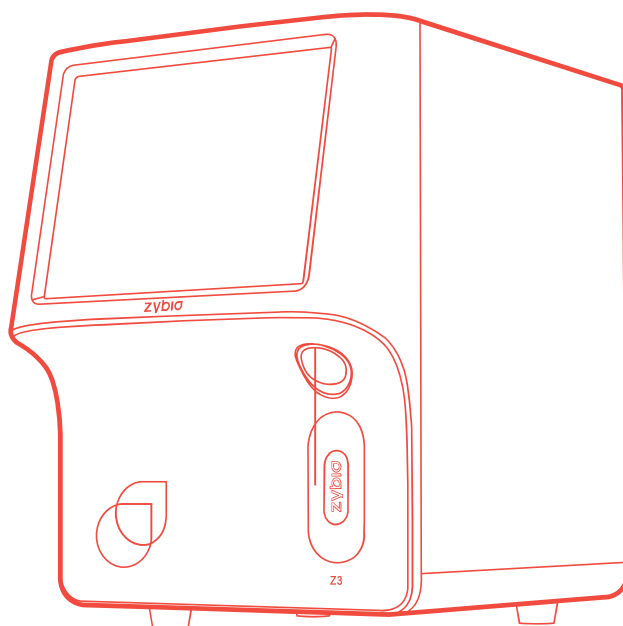
Specification

Principle	Impedance for WBC, RBC, PLT counting Colorimetric for HGB
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)

Z3

General Feature

- Throughput: 70 samples per hour
- Simplified liquid system design
- CBC+3 DIFF with 21 parameters and 3 histograms
- Easy operation by using 10.4-inch touch screen
- Only 2 reagents required for sample analysis
- 10 μ L sample only is required for test
- Impedance for WBC, RBC, PLT counting and sizing



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