

Hematology Analyzer Z3

A new generation 3-diff hematology analyzer



Hematology

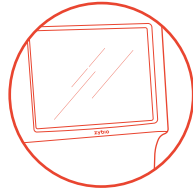


Hematology Analyzer Z3

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.

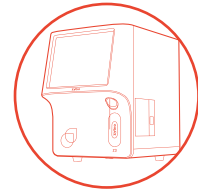


Highlight



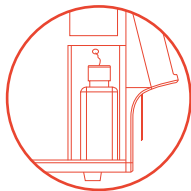
Easy operation and maintenance

- Intuitive navigation menu 10.4-inch large touch screen



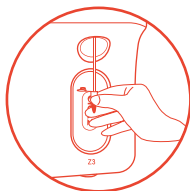
Compact design

- Small size for space saving



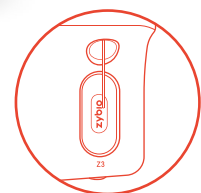
Cost saving

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



Good performance in capillary blood mode

- WB mode: 10 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)



Zybio Inc.

Address: Floor 1 to Floor 5, Building 30, No.6 of Taikang Road,
Block C of Jianqiao Industrial Park, Dadukou District, 400082 Chongqing,
PEOPLE'S REPUBLIC OF CHINA

Tel: +86-23 6865 5509 Fax: +86-23 6869 9779

Email: info@zybio.com Website: www.zybio.com

EN-C-XY-Z3-I-20210922H

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