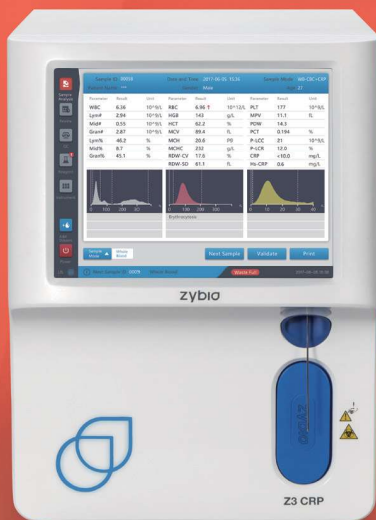


Hematology Analyzer Z3 CRP

(A new generation 3-diff hematology analyzer)



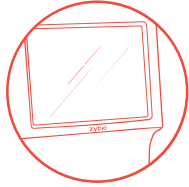


Hematology Analyzer Z3 CRP

(A new generation 3-diff hematology analyzer)

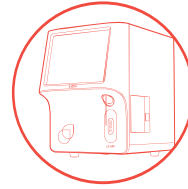
Z3 CRP is a new generation 3-diff hematology analyzer combined with CRP which is related to bacterial infection marker. It is designed for laboratories with low-volume workload yet it is capable of serving medium or large laboratories as a back-up. This Z3 CRP can deliver you confident results and maximize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

Highlight



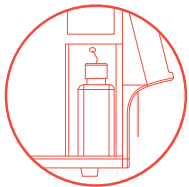
Easy operation and maintenance

Intuitive software
Navigation menu



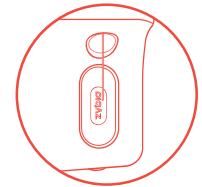
Compact design

Small size for space saving



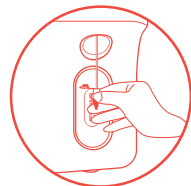
Cost saving

Two reagents, lyse inside the analyzer
Low reagent consumption



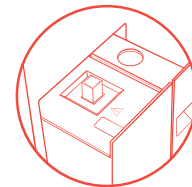
The fastest throughput

Whole blood: 70 samples per hour
CRP: 60 samples per hour



Good performance in capillary blood mode

Pediatric dept. application



CRP module optional

Accurate CRP result: auto-calculation via HCT

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)
CRP(mg/L)	≤ 0.2	(0~10) (10.1~320)	$\leq 10\%$ $\leq 5.0\%$	$\leq 0.5\%$	(0.2~320.0)

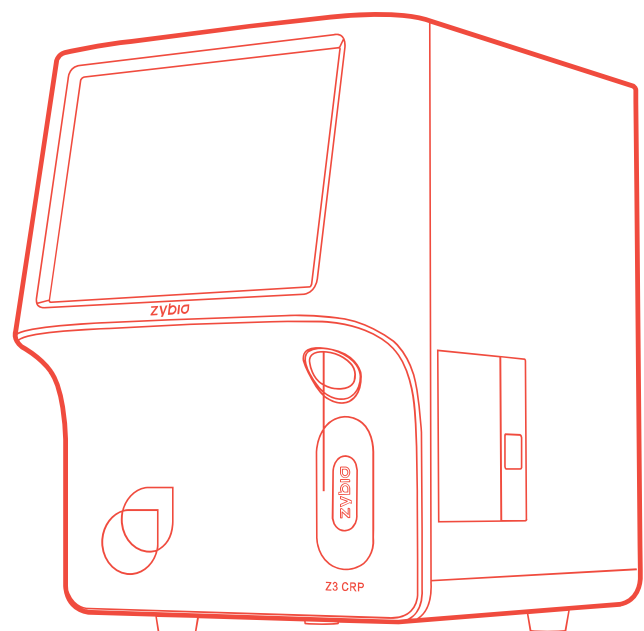
Specification

Principle	Impedance for WBC, RBC, PLT counting Colorimetric for HGB Immunoturbidimetry for CRP
Parameter	23 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, hs-CRP, CRP 3 Histograms: WBC, RBC, PLT
Throughput	CBC+3DIFF: 70 samples per hour CBC+3DIFF+CRP: 60 samples per hour
Sample volume	CBC+3DIFF: 10 μ L CRP/CBC+3DIFF+CRP: 15 μ L Pre-diluted: 20 μ L
Reagent	4 reagents+ 1 maintenance cleanser (Diluent, Lyse, Probe cleanser, CRP R1, CRP R2)
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	20Kg
Dimension(mm)	300(W)X400(D)X410(H)

Z3 CRP

General Feature

- Throughput: 70 samples per hour
- Simplified liquid system design
- CBC+3 DIFF with 23 parameters and 3 histograms
 - Easy operation by using 10.4-inch touch screen
 - Only 2 reagents required for WB mode
 - 10 μ L sample only is required for test
- Impedance for WBC, RBC, PLT counting and sizing
 - Only 1 probe cleanser for maintenance
 - Only 1 click for basic trouble shooting



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