

Auto Hematology Analyzer

(A new generation 3-Part hematology analyzer)

DiaSys
Diagnostic Systems



DH 36

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	WBC, Lym#, Mid#, Gran#, Lym%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT 3 Histograms: WBC, RBC, PLT
Throughput	40 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)
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	19Kg
Dimension(mm)	433mm(L)x300mm(W)x430mm(H)

