

Technical Specifications

Throughput
60 samples per hour

Principles
Impedance method for WBC, RBC and PLT counting
Cyanide free reagent for hemoglobin test

Parameters
21 parameters
Routine
WBC (Gran%, Lym%, Mid%, Gran#, Lym#, Mid#)
RBC (HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD)
PLT(MPV, PDW, PCT, P-LCR, P-LCC)

Research Parameters
2 parameters: NLR, PLR

Graphics
3 histograms for WBC, RBC and PLT

Sample Volume
Whole blood mode ≤ 9 µL
Prediluted mode ≤ 20µL

Performance Characteristic

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC	0-300(10 ⁹ /L)	≤3.5% (4.0-6.9) ≤2.0% (7.0-15.0)	≤0.5%
RBC	0-8.00(10 ¹² /L)	≤1.5%(3.50-6.5)	≤0.5%
HGB	0-280(g/L)	≤1.5% (100-180)	≤0.5%
PLT	0-4000 (10 ⁹ /L)	≤5.0% (100-149) ≤4.0% (150-500)	≤1.0%

Display
10.4 inch TFT Touch Screen

Storage Capacity
Up to 400,000 results including graphical information.

Communication
LAN Port supports HL7 protocol
support bi-directional LIS

Interface
4 USB ports (for external printer, software upgrade, barcode reader, external WIFI, keyboard and mouse), LAN port (1)

Printout
Supports Thermal & External printer

Power Requirement
(100V-240V)±10%
≤180VA (50Hz/60Hz) ±1Hz

Temperature Requirement
Temperature: 15°C~30°C
Humidity: 10%~90%

Foot print
Dimension: Depth (410 mm) x
width (300 mm) x height (400 mm)



DYNACOUNT
3D^{Plus}

- CBC+3-DIFF, 23 parameters+ 3 Histograms
- Throughput upto 60 samples per hour
- 10.4 inch TFT touch screen
- Only three reagents needed
- Detailed flag information
- Large storage capacity: up to 400,000 samples
- Sample volume is only 9µL which is ideal for pediatrics



Accurate Reliable results

Advanced detailed flag information provides warning in case of abnormal cell results.

The perfect combination of precision and technology

- Smart and intuitive software brings your productivity to a new level.
- The 10.4 inch TFT touch screen for easy operations.
- 400,000 Result storage for Patient Data management.
- Smart Maintenance with one click for troubleshooting.

Parameter	Result	Unit	Parameter	Result	Unit	Parameter	Result	Unit	WBC Message
WBC	L 2.4	10 ⁹ /L	RBC	L 1.86	10 ¹² /L	PLT	L 38	10 ⁹ /L	Leucopenia
Lym#	L 0.7	10 ⁹ /L	HGB	L 67	g/L	MPV	H 12.6	fL	Lymph decreased
Mid#	R 0.3	10 ⁹ /L	HCT	L 0.193		PDW	H 18.5		Pancytopenia
Gran#	RL 1.4	10 ⁹ /L	MCV	H 103.5	fL	PCT	L 0.48	mL/L	
Lym%	0.305		MCH	H 35.8	pg	P-LCC	L 17	10 ⁹ /L	
Mid%	0.130		MCHC	346	g/L	P-LCR	H 0.455		
Gran%	0.565		RDW-CV	0.157					
			RDW-SD	H 60.7	fL				

WBC	RBC	PLT



Smallest



Convenience fast



Perfect for pediatric samples