

TEK 5000

Auto Hematology Analyzer

Technical Specifications

Parameters

WBC,LY#,MID#,GR#,LY%,MID%,GR%,RBC,HGB,HCT,
MCV,MCH,MCHC,RDW-SD,RDW-CV,PLT,MPV,PDW,PCT,
P-LCR and Histogram for WBC,RBC,PLT

Method

Coulter Principle
Colorimetry hamoglobin determination

Performance

Parameter	LinearityRange	Precision(CV%)
WBC($10^9/L$)	0.0-100.0	2.0(4.0-10.0)
RBC($10^{12}/L$)	0.00-9.99	1.5(3.50-5.50)
HGB(g/L)	0-300	1.0(110-160)
PLT($10^9/L$)	0-1000	4.0(100-300)

Throughput

60 samples per hour

Menu

Testing,Review,Cal&QC
Maintenance,Setup,Shutdown

Display

8.1" color LCD display

Sampler Volume

Predilute 20 μ L
Whole blood 15 μ L

Aperture Diameter

75 μ m

Dilution Ratios

	Whole Blood	Prediluted
WBC/HGB	1:228	1:339
RBC/PLT	1:4096	1:9642

Carryover

WBC<1.5%
,RBC,HGB<1.0%,PLT<2%

Input/Output

1 RS232,1 keyboard,4USB,LAN

Printout

Built-in thermal printer(2optional print modes)

Operating Environment

Temperature 10 $^{\circ}$ C-30 $^{\circ}$ C
Humidity <90%

Power Requirement

AC 100V-240V,50/60Hz

Dimension

440mm(H) \times 350mm(W) \times 440mm(D)

Net Weight

21kg





- 3-diff of WBC;20 parameters+3 histograms
- 2 sampler mode: whole blood and prediluted
- Test mode: 3 diff+CBC,CBC,HGB,WBC,RBC
- Double Chambers for WBC and RBC/PLT
- Throughput:60 samples per hour
- Patented aperture technology:Automatic clog-clearing with high pressure and lower rate of clog
- Up to 16000 sample results with histograms can be stored
- Automatic diluting,lyzing,mixing,rinsing
- Automatically cleaning sampling probe
- Built-in thermal printer
- LCD with high resolution
- Bar code scanner(optional)
- Reagent and waste alarm system(optional)

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