

# 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 $\mu$ L  
Whole blood 15 $\mu$ L

#### Aperture Diameter

75 $\mu$ 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



# LAB Market

## لاب ماركت

- مستلزمات معملية
- كيمائيات
- أجهزة
- صيانة



01210312346  
01016163354

بنها - عمارة ٢ غرب الاستاد - بجوار كنتاكي - خلف نقابة الاطباء ومطعم الرشيدى



- 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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