

## 5 Part Hematology Analyzer SK9800

- ◆ 14 inch premium large color touch screen
- ◆ SMART-FLOW fluidic patent technology
- ◆ Compact design with reagents on board, save the valuable bench space of small labs
- ◆ Accurate measurement for low value PLT with advanced Sweep-Flow technology
- ◆ Low volume sample consumption CBC+DIFF mode :  $\leq 20\mu\text{l}$ , CBC mode :  $\leq 10\mu\text{l}$
- ◆ Low running cost
- ◆ Easy to operate



### Specification

Methodology	Tri-angle laser scatter + flow Cytometry + impedance method for WBC;impedance method for RBC and PLT counting
Test mode	CBC mode, CBC+DIFF mode. Venous whole blood,Capillary whole blood and Prediluted
Sample volume	CBC+DIFF mode: $\leq 20\mu\text{l}$ , CBC mode: $\leq 10\mu\text{l}$
Throughput	More than 60 samples per hour, operatable 24 hours a day, auto sleeping and waking-up functions
Storage	Up to 100,000 results(including histogram, scarttergram, patient information)
Operation langue	English and more is coming
QC control	X-B, L-J X,SD, CV %
Interface	1 LAN port, 4 USB ports
Communication	Bi-direction LIS, support HL7 protocol Internal RFID reader
Print out	Support various external USB printers, printout formats user definable
Working invironment	Temperature: 10°C- 30°C, humidity: 20-85%
Power supply	100-240 V 50/601Hz
Dimension	48 CM (L)* 38 CM (W)* 52 CM (H)
Weight	36 KG

### Feature

#### Principles

- ◆ Tri-angle Laser scatter
- ◆ Flow Cytometry method
- ◆ 3D Scattergram analysis
- ◆ Impedance method for RBC and PLT counting
- ◆ Cyanide free reagents for HGB test.
- ◆ Automatically sample probe cleanning (inside and outside)
- ◆ 5 -part differentiation of WBC, 29 parameters, Double channel counter
- ◆ More than 60 samples test per hour
- ◆ Tri-angle Laser Scatter, electrical resistance for RBC and PLT counting
- ◆ Low sample consumption: CBC+DIFF mode :  $\leq 20\mu\text{l}$ , CBC mode :  $\leq 10\mu\text{l}$
- ◆ 14 inch color touch screen, resolution 1366\*768
- ◆ Large storage capacity: Up to 100,000 results(including histogram, scarttergram, patient information)
- ◆ Internal thermal-sensitive printer, support various external USB printers

#### Parameters

- ◆ WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV PCT, PDW, P-LCR, P-LCC, NEU%YM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS#
- ◆ 1 3D Scattergram, 3-histograms : WBC/BASO, RBC, PLT

#### Precision

Parameters	Linear Range	Carry Over	CV%
WBC	0.0-300x10 <sup>9</sup> /L	$\leq 0.5\%$	$\leq 2\%$
RBC	0.0-8x10 <sup>12</sup> /L	$\leq 0.5\%$	$\leq 1.5\%$
HGB	0.0-250g/L	$\leq 0.5\%$	$\leq 1.5\%$
PLT	0.0-3000x10 <sup>9</sup> /L	$\leq 1.0\%$	$\leq 1.0\%$