

H99S

6-Part Hematology Analyzer

Specification



EDAN



Technical Specifications:

Principles

WBC (IMG/Neu/Mon/Lym/Eos/Bas), NRBC/RET, PLT-O/IPF: 3D Fluorescent method

RBC/PLT counts: Impedance and Flow cytometry method

HGB: Colorimetric method with cyanide-free reagent

Parameters

39 Reportable parameters: WBC, LYM#, LYM%, MON#, MON%, NEU#, NEU%, EOS#, EOS%, BAS#, BAS%, IMG#, IMG%, RET#, RET%, IRF, RHE, LFR, MFR, HFR, RBC, HGB, HCT, MCV, RDW-SD, RDW-CV, NRBC#, NRBC%, MCH, MCHC, PLT, MPV, PCT, PDW, IPF, P-LCR, P-LCC, PLT-I, PLT-O

71 Research parameters

3 histograms: WBC, RBC, PLT

3 3D scattergrams: DIFF, WNB, RET

11 2D scattergrams: DIFF*3, WNB*3, RET*3, PLT-O, RET-EXT

Reagent

Routine:

HD600 Diluent 20L

HD93R Diluent 500mL/1000mL

HL90H, HL91D, HL92N Lyse 500mL/1000mL

HF91D, HF92N, HF93R Dye 6mL/12mL/48mL

Maintenance: HC310/HC600

Performance

Parameters	Linearity range	Precision
WBC($10^9/L$)	0-500	$\leq 2.5\%$ (≥ 4.51)
		$\leq 3.0\%$ (3.50-4.50)
RBC($10^{12}/L$)	0-8.60	$\leq 1.5\%$ (≥ 3.5)
HGB(g/L)	0-280	$\leq 1.0\%$ (110-180)
PLT($10^9/L$)	0-5000	$\leq 4.0\%$ (≥ 100)
MCV(fL)		$\leq 1.0\%$ (80-100)
HCT(%)	0-75	$\leq 1.5\%$ (30-50)
NRBC% (%)	(0.-600)/100WBC	$\leq 20.0\%$ or $\pm 1.5\%$ (d) (WBC $\geq 4.00 \times 10^9/L$)
NRBC# ($10^9/L$)	0~20	$\leq 20.0\%$ or ± 0.12 (d) (WBC $\geq 4.00 \times 10^9/L$)
RET% (%)	0.00~30.00	$\leq 15.0\%$ (RBC $\geq 3.00 \times 10^{12}/L$ RET%: 1.00%~ 4.00%)
RET# ($10^{12}/L$)	0~0.8	$\leq 15.0\%$ (RBC $\geq 3.00 \times 10^{12}/L$ RET%: 1.00%~ 4.00%)

Sample Volume

CD: $\leq 27.5\mu\text{L}$ (Capillary); $\leq 75\mu\text{L}$ (WB)

Pre-diluted mode: $\leq 20\mu\text{L}$

Throughput

CD: Up to 100 t/h; CDR: 60 t/h

Adapter and Autoloader

Adapter supported with various sample tubes

Auto scan via rotating structure

Analysis triggered automatically on the loader

60 sample capacity

Display

12.1-inch TFT Touch Screen

Multi-language

Chinese, English

QC program

L-J, X-B

Data Storage Capacity

Up to 150,000 results, including numeric and graphical information

60 QC files (100 data points per file)

Communication

LAN Port supports the HL7 protocol

Input Device

Built-in virtual keyboard, external barcode reader

Interface

5 USB ports (for external printer, software upgrade, barcode scanner, keyboard, mouse),

1 LAN port

Support LIS/HIS Connectivity

Printout

External Laser printer / Inkjet printer, various printout formats, and User-defined formats

Operating Environment

Temperature: 10°C~35°C

Humidity: 30% ~ 85%

Air pressure: 70kPa~106kPa

Power Requirement

100V-240V, 50Hz/60Hz

Dimension and Weight

780mm(D) * 570mm(W) * 600mm(H)

Weight: ≤70 KG

