NP-50H

5-Part Hematology Analyzer

Minimum Size Maximum Efficiency



25

Reportable parameters

60

Tests per hour

20 µL

Sample volume

Technical Specifications

Core configuration and workflow

PARAMETERS	25 reportable parameters: WBC, Neu#, Lym#, Mon#, Eos#, Bas#, Neu%, Lym%, Mon%, Eos%, Bas%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC; 4 research parameters: ALY#, ALY%, LIC#, LIC%; 3 histograms for WBC, RBC and PLT; Three DIFF scattergrams and one BASO scattergram for WBC differention
SAMPLE MODE	Whole blood, capillary whole blood and pre-diluted modes
THROUGHPUT	Up to 60 tests per hour
DISPLAY	10.4 inches TFT touch screen
PRINTOUT	Internal printer, 57 mm thermal printer with various formats
STORAGE	Up to 50,000 records
SAMPLE VOLUME	20μL

Analytical & System Specifications

Values reproduced from the supplied manufacturer source

LINEARITY RANGE	WBC: 0.00300.00-x 109/L PL T: 03000-x 109/L RBC: 0.008.50-x 1012/L HGB: 0250-g/L HCT: 0.067.0%-
REPEATABILITY	WBC ≤2%(4.015.0-x 109/L) RBC ≤1.5% (3.56.0-x 1012/L) HGB 1.5% (110180-g/L) MCV ≤1%(70120-fL) PLT ≤6.0% (100149-x109/L) <4.0% (150500-x 109/L)
COMMUNICATION	LAN port supports HL7 protocol Support bi-directional LIS
INTERFACE	4 USB ports, 1 LAN port
POWER REQUIREMENT	100V-240V, 5060/Hz, ≤ 2Q0VA
DIMENSION	364mm(W)*498mm(D)*431 mm(H)
WHIGHT	28

Measurement Principles

1. Flow Cytometry (FCM) + Tri-angle laser scatter + Chemical staining method for WBC differention
2. Impedance method for RBC and PLT test
3. Cyanide free colorimetry for HGB test

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