NP-68H

5-Part Auto Hematology Analyzer

High-throughput blood cell analysis



25
Reportable parameters

90
Tests per hour

20 µL
Sample volume

Operating & Analytical Overview

Measurement principles

Electrical impedance method for WBC/BAS count and cell-count tests.

Cyanide-free colorimetry for hemoglobin testing.

Laser-based flow cytometry for WBC differentiation.

Throughput

Up to 90 tests per hour

Storage

Up to 100,000 records

Sample volume

20 µL

Sample mode

Whole blood, capillary whole blood, pre-diluted

Communication

LAN port supports L7 protocol; bi-directional support

Research parameters

4: ALY#, ALY%, LIC#, LIC%

Visual output

3 histograms for WBC, RBC and PLT

Scattergrams

1 × 3D and 3 × 2D for WBC differentiation

Technical Specifications

Linearity range

WBC	0.00 - 300 × 10^9/L
RBC	0.00 - 8.5 × 10^12/L
HGB	0 - 250 g/L
PLT	0 - 3000 × 10^9/L
HCT	0 - 67%

Repeatability

WBC	≤ 2.0% (4.0 - 15.0 × 10^9/L)
RBC	≤ 1.5% (3.5 - 6.0 × 10^12/L)
HGB	1.5% (110 - 180 g/L)
MCV	≤ 1% (70 - 120 fL)
PLT	≤ 6.0% (100 - 149 × 10^9/L) ≤ 4.0% (150 - 500 × 10^9/L)

Physical & electrical

Power requirement	100-240 V, 50/60 Hz, ≤ 200 VA
Net weight	57.5 kg
Dimensions	650 mm (W) × 550 mm (H) × 610 mm (D)