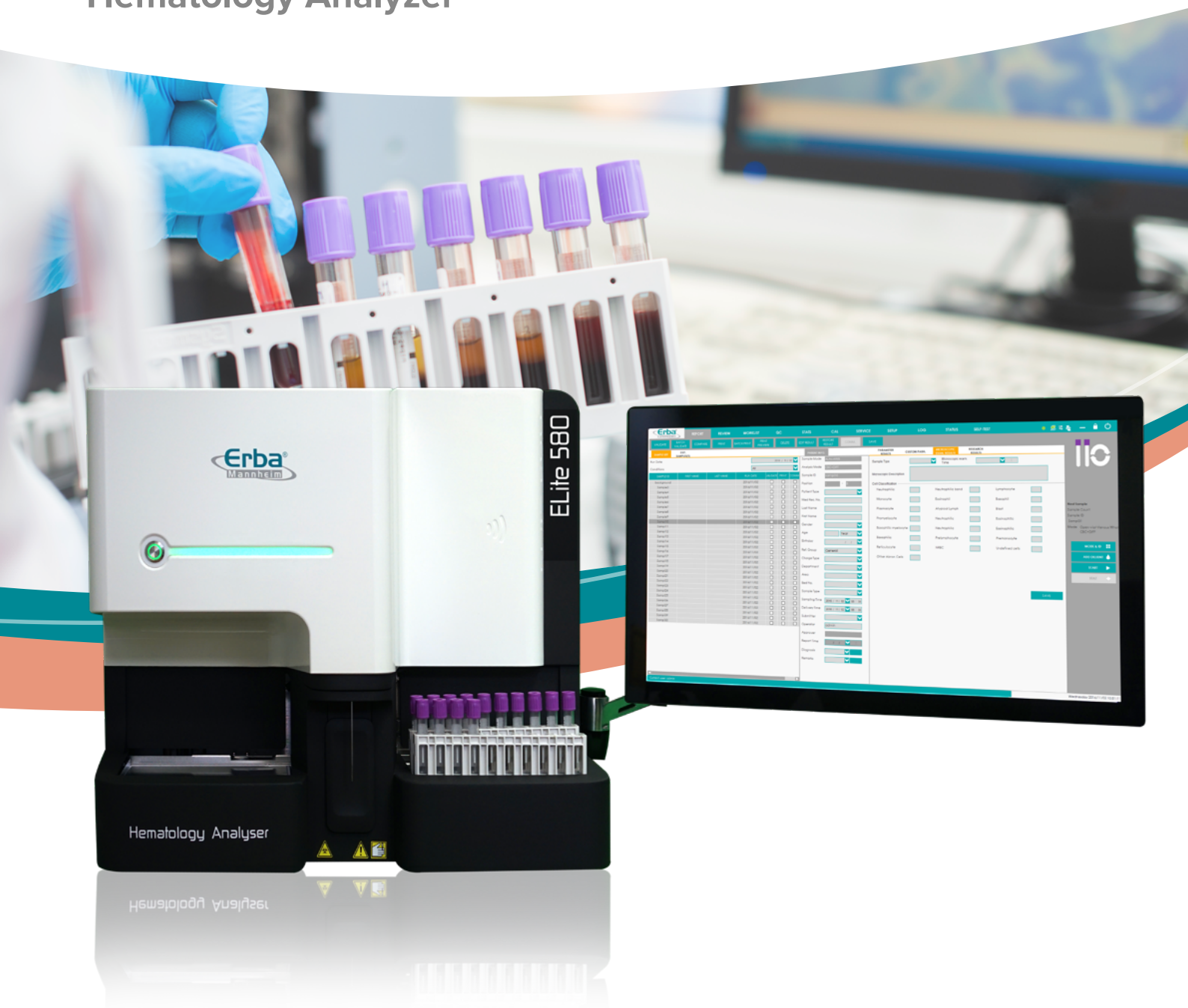




ELITE 580

Fully Automated
Hematology Analyzer



EASY. EFFICIENT. RELIABLE.

Making Automation Affordable
for labs Everywhere

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TECHNICAL SPECIFICATIONS

PRINCIPLES

Impedance method for WBC, RBC, PLT counting
Cyanide-free reagent for Hemoglobin test
Flow Cytometry (FCM), Semi-conductor Laser scatter chemical dye method, independent Basophil channel

PARAMETERS

WBC, LYM, LYM%, MON, MON%, NEU, NEU%, EOS, EOS%, BAS, BAS%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, P-LCR, P-LCC; 4 research parameters: ALY, ALY%, LIC, LIC%, 1 × 3D scattergram, 3 × 2D scattergram and 3 histograms

THROUGHPUT

Up to 80 samples per hour

TEST MODE

CBC
CBC + DIFF

PERFORMANCE

Carryover	Repeatability	Linearity
WB ≤ 0.5 %	≤ 2.0 % (4.0–15.0 x10 ⁹ /L)	0.00–300 x10 ⁹ /L
RBC ≤ 0.5 %	≤ 1.5 % (3.50–6.00 x10 ¹² /L)	0.00–8.50 x10 ¹² /L
HGB ≤ 0.5 %	≤ 1.5 % (110–180 g/L)	0–250 g/L
PLT ≤ 1.0 %	≤ 4.0 % (150–500 x10 ⁹ /L)	0–3000 x10 ⁹ /L Whole

DATA STORAGE CAPACITY

Up to 100.000 results including numeric and graphical information

COMMUNICATION

LAN port supports HL7 protocol

OPERATING ENVIRONMENT

Temperature: 15–30 °C
Humidity: 30–85 %
Air Pressure: 70~106 kPa

POWER REQUIREMENT

A.C.100–240 V;
≤ 300 VA;
50/60 Hz

DIMENSION AND WEIGHT

620 mm (L)
620 mm (W)
535 mm (H)

WEIGHT

56 kg

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