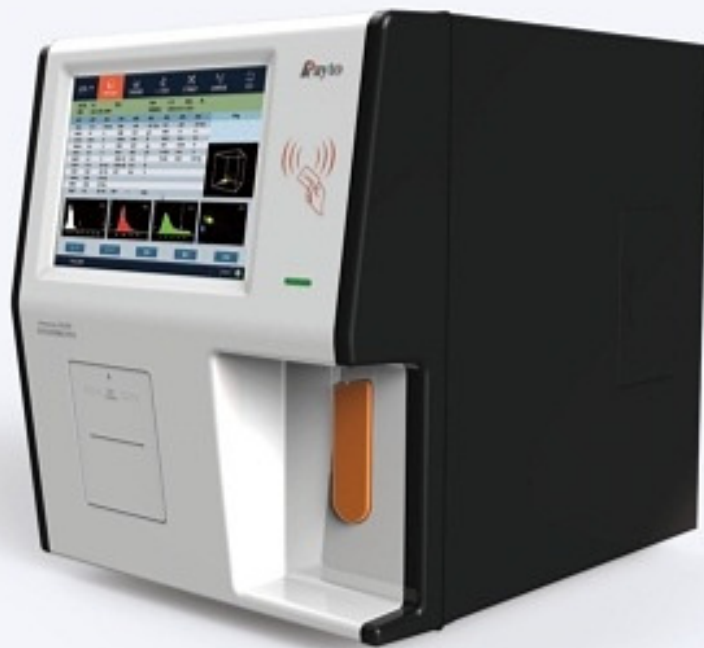


Hemaray 51

5-Part Hematology Analyzer



- Tri-angle laser scatter + Flow cytometry for WBC counting
- Immunospectrometry Assay for CRP measuring (optional)
- 60 samples/h with aspiration 15 μ l for WBC 5-part differentiation
- Integrated PC with 10.4 inch touch screen and internal printer, bespoke for any laboratory
- Refrigerated keeping 5~12 $^{\circ}$ C for CRP reagents
- Patient ID barcode scanner(optional)

Hemaray 51

5-Part Hematology Analyzer

Specifications

• Principles

RBC and PLT: Impedance technology

HGB: Colorimetry method

WBC and DIFF: Flow cytometry & Tri-angle laser scatter

CRP (Optional): Immunoturbidimetry

• Parameters (Whole blood/Prediluted mode)

26 parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, PDW, MPV, PCT, P-LCR, P-LCC, NEU#, NEU%, LYM#, LYM%, MON#, MON%, EOS#, EOS%, BAS#, BAS%, CRP(Optional)

4 research parameters: ALY#, ALY%, LIC#, LIC%

3 histograms, 3 scattergrams

• Reagents

Daily use: Diluent, 5D Lyse, 5H Lyse

CRP: Buffer R1, Antiserum Reagent R2

Maintenance: Concentrated Cleanser

• Throughput

CBC+DIFF: 60 samples/h

CBC: 60 samples/h

CBC+DIFF+CRP: 50 samples/h

DIFF: 60 samples/h

• Performance

Parameter	Linearity Range	Precision	Carry-over
WBC	0~500×10 ⁹ /L	≤2% (4~15×10 ⁹ /L)	0.5%
RBC	0~8.5×10 ¹² /L	≤1.5% (3.5~6.0×10 ¹² /L)	0.5%
HGB	0~250g/L	≤1.5% (110~180g/L)	0.5%
PLT	0~5000×10 ⁹ /L	≤4.0% (100~500×10 ⁹ /L)	1.0%



• Sample Volume

CBC+DIFF+CRP mode

Whole blood mode: 18μl

Prediluted mode: 20μl

Capillary blood mode: 18μl

CBC+DIFF mode

Whole blood mode: 15μl

Prediluted mode: 20μl

Capillary blood mode: 15μl

• **Communication** Bi-direction LIS/HIS with HL7 protocol
4 USB for mouse/keyboard/barcode scanner(optional)

• **Data Storage** 100,000 test results

• **Dimension and Weight** 365mmx470mmx525mm, 35kg

• **Power Supply** AC110V~240V, 50Hz/60Hz

• Operation Environment

Temperature: 15℃~30℃

Humidity: 30%~85%



Rayto reserves the right to change specifications without prior notice.
P/N: ENG-Hemaray 50CRP-20180709

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