

DM79X

5-Part Hematology + CRP +SAA Joint Analyzer

Principles

Flow Cytometry (FMC) + Tri-angle laser scatter method for WBC differentiation
Impedance method for WBC/BAS, RBC and PLT test
Cyanide-free Colorimetry for HGB
Latex-enhanced Immunospectrophotometry for CRP and SAA test

Parameters

28 reportable parameters: CRP, Hs-CRP, SAA, 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
6 research parameters: ALY%, ALY#, LIC%, LIC#, NRBC#, NRBC%
3 histograms for WBC, RBC, and PLT
One 3D scattergram, three 2D scattergrams for WBC differentiation

Linearity Range

WBC: 0.00~500 ×10⁹/L
RBC: 0.00~8.50 ×10¹²/L
HGB: 0~250g/L
PLT: 0~5000 ×10⁹/L
HCT: 0~75%

Sample Volume

20μL

Power Requirement

100V~240V, 50/60Hz, ≤420VA

Communication

LAN port supports HL7 protocol
Bi-directional LIS supported

Test Mode

CBC, CBC+DIFF, CBC+DIFF+CRP, CBC+DIFF+SAA, CRP, SAA, CRP+SAA, CBC+DIFF+CRP+SAA

Sampling Mode

Closed in auto loader and open in vial

Blood Mode

Whole blood, capillary blood and prediluted

Dimension (L*W*H)

<700mm* <595mm* <600mm

Repeatability

WBC ≤2.5% (3.50~15.00×10⁹/L)
RBC ≤1.5% (3.50~6.00×10⁹/L)
HGB ≤6.0% (110~180g/L)
MCV ≤1.0% (70~120fL)
PLT ≤6.0% (100~149×10⁹/L)
≤4.0% (150~500×10⁹/L)

Weight

<72kg

Storage

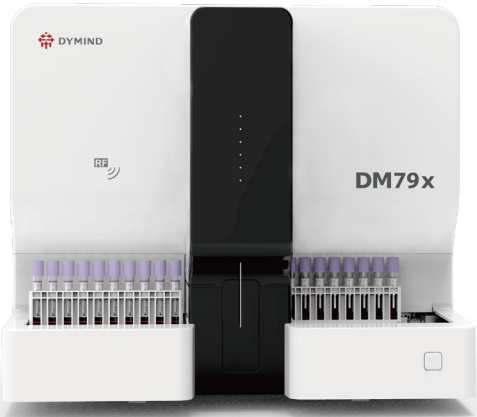
Up to 100,000 records

Printout

External printer, compatible with multiple laser/inkjet printers, compatible with various formats and user-defined formats



Redefine Infection
Diagnosis



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Declaration: Shenzhen Dymind Biotechnology Co., Ltd reserves the right to change the product of specifications and appearance at any time. For the information of this manual, Shenzhen Dymind Biotechnology Co., Ltd reserves the right to the interpretation and the decision.

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DM79X

Hematology+CRP+SAA
Joint detection within one step



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5-Part Hematology + CRP +SAA Joint Analyzer

The Clinical Significance of WBC, CRP & SAA

Item	Ref. Range	Bacterial Infection	Viral infection	Mixed infection
WBC	4-10*10 ⁹ /L	Neutrophil Increase	Lymphocyte increase	Might increase
CRP	<10mg/L	Significantly increase	Slightly or none increase	Increase
SAA	<10mg/L	Increase faster than CRP but drop faster	Significantly increase	Significantly increase

The Clinical Alert of CRP & SAA Joint Detection during Acute Phase of Infection

SAA	CRP	Clinical alert
<10 mg/L	Within normal range	No acute inflammatory
10 mg/L~100 mg/L	Normal or slightly increase	Virus infection (mild)
100 mg/L~500 mg/L	> 50 mg/L	Bacterial infection, dynamically monitor SAA and CRP to evaluate the therapeutic effect
≥500 mg/L	Increase, but ≤50 mg/L	Viral infection (severe), bacterial infection, need 12~24 h review

Traditional method two instrument multiply steps



DM79X one instrument one step

