

# DF50 CRP

5-Part+CRP Tests Combined Within One Machine

## Principles

Flow cytometry (FCM) + Tri-angle laser scatter for WBC differentiation  
Impedance method for WBC, RBC and PLT test  
Cyanide free colorimetry for HGB test  
Latex-enhanced scattering immunoturbidimetry for CRP test

## Parameters

27 reportable parameters:

CRP, Hs-CRP, 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

Three DIFF scattergrams and one BASO scattergram for WBC differentiation

## Sample mode

Whole blood, capillary whole blood and pre-diluted modes

## Sample volume

20 $\mu$ L

## Linearity range

WBC: 0.00-500.00 $\times 10^9$ /L

RBC: 0.00-8.50 $\times 10^{12}$ /L

HGB: 0-250g/L

PLT: 0-5000 $\times 10^9$ /L

HCT: 0.0-67.0%

CRP: 0.2-320 mg/L

## Repeatability

WBC $\leq$ 2.5%(4.0-15.0 $\times 10^9$ /L)

RBC $\leq$ 1.5%(3.5-6.0 $\times 10^{12}$ /L)

HGB $\leq$ 1%(110-180g/L)

MCV $\leq$ 1%(70-120fL)

PLT $\leq$ 6.0%(100-149 $\times 10^9$ /L)

$\leq$ 4.0%(150-500 $\times 10^9$ /L)"

## Test mode

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

## Storage

Up to 50,000 records

## Printout

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

## Interface

4 USB ports, 1 LAN port

## Power requirement

100V-240V~, 50/60Hz,  $\leq$ 200VA

## Throughput

Up to 60 tests per hour

## Communication

LAN port supports HL7 protocol

Support bi-directional LIS

## Display

10.4 inches TFT touch screen

## Dimension

364mm(W) $\times$ 498mm(H) $\times$ 495mm(D)

## Net weight

33.5kg

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## Beyond Convenience





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## SHENZHEN DYMIND BIOTECHNOLOGY CO.,LTD.

 10th Floor, Building B, High-tech Park, Guangqiao Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen 518107, P. R. China

 +86-755-26008015-8123

 Intl@dymind.com

 www.dymind.com



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P/N: EN-DF50 CRP[5.0]

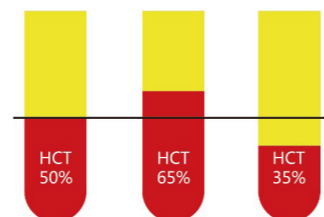
## CRP clinical significance

- Identify bacterial or viral infections (preferred indicator)
- Monitor disease
- Monitor Infection (postoperative and postpartum)
- Observe, guard and monitor the efficiency of antibiotic treatment
- Risk assessment and treatment guidance for cardiovascular diseases



## HCT correction technology

HCT correction technology can avoid the interference of anemia and other case factors, and ensure the whole blood and serum results consistency

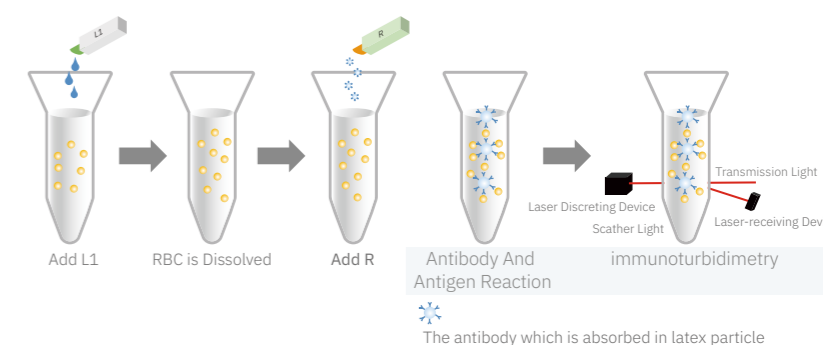


## Latex-enhanced Scattering

Make tiny latex particle connected with CRP antibody and get the contents of antigen through testing the change of the scattering assay

The sensitivity is smaller than 1mg/L including Hs-CRP and regular CRP

Easy operation, test faster



Built-in 3 reagents smart reagent room is convenient for reagent positioning

Built-in cooling system

Reagents can still be cooled after power off



10.4 inches TFT touch screen, easy to operate

12.5° leaning angle of the screen is easy for operator to view



No barrier around the needle

Suitable for either left hand or right hand

## Independent BASO channel

BASO clinical significance: Leukemia, Anaphylactic Disease, Hematemesis, Cancer

Real double optical channel test, both for Diff and BASO, independent BASO channel with optical counting contributes to more precise results

