

# D7-CRP

5-Part+CRP Joint Analyzer with Autoloader

<b>Principles</b>	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	<b>Sample volume</b>	20μL
<b>Parameters</b>	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  One 3D scattergram and three 2D scattergrams for WBC differentiation	<b>Linearity range</b>	WBC: 0.00-300.00×10 <sup>9</sup> /L RBC: 0.00-8.50×10 <sup>12</sup> /L HGB: 0-250g/L PLT: 0-3000×10 <sup>9</sup> /L HCT: 0.0-67.0% CRP: 0.2-320mg/L
		<b>Repeatability</b>	WBC ≤ 2.5% (4.0-15.0×10 <sup>9</sup> /L) RBC ≤ 1.5% (3.5-6.0)×10 <sup>12</sup> /L HGB ≤ 1.5% (110-180g/L) MCV ≤ 1% (70-120fL) PLT ≤ 6.0% (100-149×10 <sup>9</sup> /L) ≤ 4.0% (150-500×10 <sup>9</sup> /L)
<b>Throughput</b>	Up to 90 tests per hour	<b>Sample mode</b>	Whole blood, capillary whole blood and pre-diluted modes
<b>Test mode</b>	CBC, CBC+DIFF, CRP, CBC+CRP, CBC+DIFF+CRP	<b>Power requirement</b>	100V-240V, 50/60Hz, ≤250VA
<b>Storage</b>	Up to 100,000 records	<b>Dimension</b>	650mm(W)*550mm(H)*610mm(D)
<b>Printout</b>	External printer, compatible with multiply laser / inkjet printers, compatible with various formats and user-defined formats	<b>Net weight</b>	60.5kg



Results Come Out  
within 1 Minute



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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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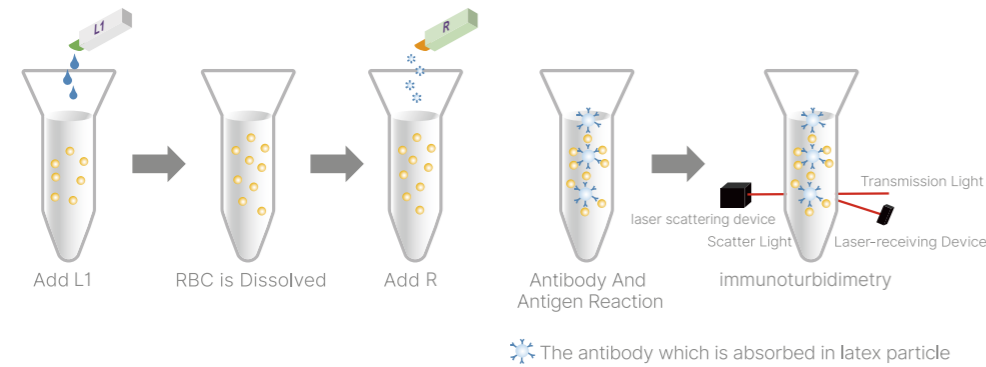
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# Cutting-edge Technology in the Field

It tests the CRP and WBC differentiation by whole blood through semi-conductor laser and latex-enhanced scattering immunoturbidimetry as well as flow cytometry, which makes the routine blood test combined together with CRP.

## Latex-enhanced Scattering Immunoturbidimetry

Make tiny latex particle connected with CRP antibody and get the contents of antigen through testing the change of the scattering assay. High sensitivity of Hs-CRP and regular CRP testing can perform accurate detection even the concentration is less than 1 mg/L. Easy operation, test faster.



## Laser Scattering Method

Through Flow cytometry and laser scattering technology. One 3D scattergram and three 2D scattergrams can directly show the differentiation of WBC and display the abnormal cells

## Flow Cytometry and Impedance Method

Impedance method for WBC, RBC and PLT counting, cyanide-free reagent for testing hemoglobin concentration

For patients with habitual diarrhea, the combined testing of HCT, WBC and CRP is valuable for the diagnosis of the level of morning dehydration and the estimation of external infection.

Clinical data shows that the symptoms of Children's virus and bacterial infections can be relatively similar. The joint detection of CRP and routine blood test may offer effective instruction for clinical treatment and guarantee correct prescription and medication from a more objective and scientific view.



Easy and auto maintenance by probe cleanser.

CRP test combined with WBC test will help a lot for diagnosis of respiratory tract infection

Built-in cooling system is specially for CRP reagent storage. Cooling system won't be affected when power is off.

The rising of Hs-CRP is early than WBC rising, in which case efficient treatment for infection can be implemented earlier.

Space-saving design of reagent chamber is also convenient for reagent storage.

Only three lysates for CBC+DIFF.