

HEM-o-test 5000CRP

hematology analyzer

5-Part + Full Range CRP Tests Combined
within One Machine

Latex-enhanced scattering immunoturbidimetry (CRP)

3 angle laser
scatter method
(5-Part)

Cyanide-free
method (hemo-
globin test)

Impedance
(cell
counting)



Günter Keul GmbH

• SPECIFICATION

26 Reported Parameters

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

4 Research Parameters

ALY#, ALY%, LIC#, LIC%

Grams

One 3D scattergram, three 2D scattergrams, 3
histograms.

Test Speed

60 samples per hour

5 Test Modes

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

Sample Volume

20 μ L

Sampling Mode

Open vial

Data Storage Capacity

Up to 100,000 results

Reagent

DIL-A, LYA-1, LYA-2, LYA-3, CRP-R1, CRP-R2, CLE-P

Dimension

380mm(L) x 450mm(W) x 535mm(H)

Net Weight

45KG

Working Environment

Voltage: 100V-240V~; 50/60Hz

Rated Power: \leq 250VA

Environment Temperature: 15 $^{\circ}$ C~30 $^{\circ}$ C

Relative Humidity: 30%~85%

Atmospheric Pressure: 70kPa~106kPa

5-Part + Full Range CRP

Results come out within 1 minute

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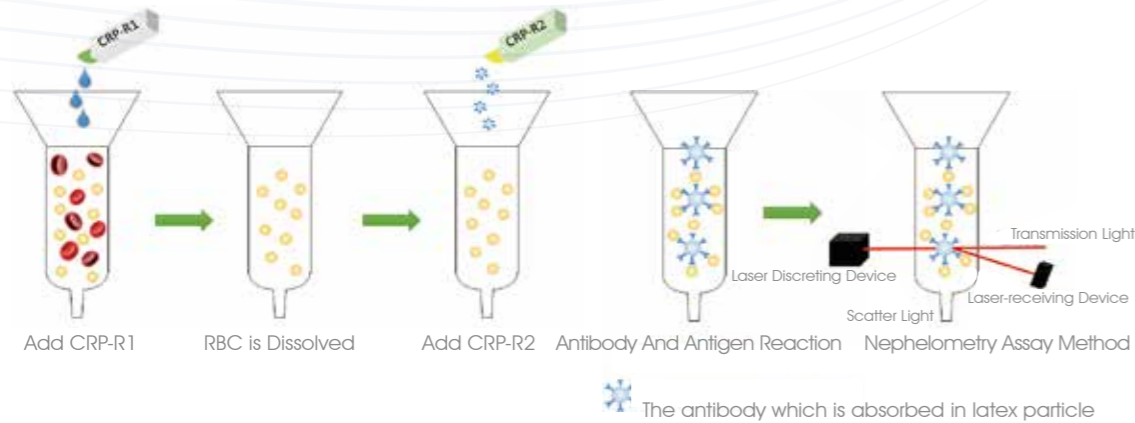
Cutting-edge Technology in the Field.

It tests the full range CRP and WBC differentiation by whole blood through semi-conductor laser and Latex-enhanced scattering immunoturbidimetry as well as sheath fluid technology, which makes the routine blood test combined together with CRP.



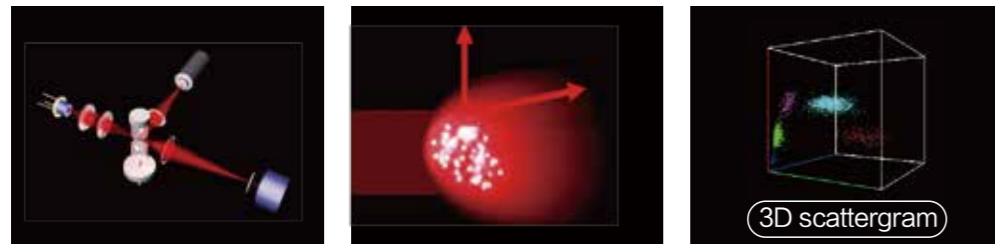
Latex-enhanced Scattering Immunoturbidimetry

» Make tiny latex particle connected with CRP antibody and get the contents of antigen through testing the change of the scattering assay. The sensitivity is smaller than 1mg /L including HS-CRP and regular CRP. Easy operation, test faster.



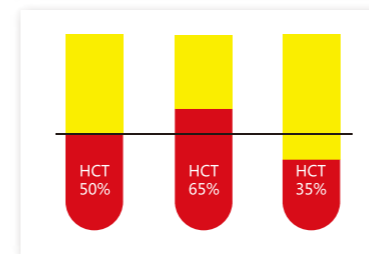
Laser Scattering Method

» Through sheath fluid and Laser scattering technology.
 » One 3D scattergram and three 2D scattergrams make the WBC differentiation more accurate.



Flow Cytometry and Impedance Method

» Impedance method for WBC, RBC and PLT counting, Cyanide-free reagent for testing hemoglobin concentration.



HCT correction technology which helps to get high precision CRP result, ensuring same result for plasma and CRP.

- CRP test combined with WBC test will help a lot for diagnosis of respiratory tract infection.
- The testing for HCT, WBC and CRP together can be a valuable index for diagnosis of the level of morning dehydration or whether the patient is infected outside among memory diarrhea patients.
- From clinical data, the clinical symptom of virus infection and bacterial infection of children are very much similar. It will offer good instruction for clinical treatment more objectively and scientifically and good guarantee for correct prescription and medication through the combined tests for CRP and blood routine test.
- The rising of HS-CRP is early than WBC rising, which will help a lot for judging the infectious condition of patients.



CLINICAL SIGNIFICANCE

- Built-in cooling system is specially for CRP reagent storage. Reagent can still be cooled after machine is powered off.
- The design of reagent room is smart, which is convenient for reagent positioning.
- Easy and Auto maintenance by probe cleanser.
- Only three lyses for CBC+DIFF.



Highlights:

