

COVID-19

Hematology+CRP



What is COVID-19?

COVID-19, formally known as 2019-nCoV is an infectious disease caused by a new coronavirus introduced to humans for the first time.

COVID-19



What is CRP?

C-reactive protein (CRP) is an acute-phase protein that serves as an early marker of inflammation or infection.

The protein is synthesized in the liver and is normally found at concentrations of less than **10 mg/L** in the blood.

CRP?



Why diagnosis hematology with CRP for COVID-19?

Elevated **C-reactive protein (CRP)** is an important factor of 2019 novel coronavirus disease (COVID-19; formally known as 2019-nCoV) and impaired immunity, characterised by lymphopenia, is an **essential** characteristic.

In afebrile patients (**temperature <37.3°C**) without **dyspnoea**, we recommend measurements of complete blood count and CRP. Subsequently, if the lymphocyte concentration is $\geq 1100/\mu\text{L}$, home care with self-isolation is advised.

Reference:

Therapeutic and triage strategies for 2019 novel coronavirus disease in fever clinics
 Published: February 13, 2020 DOI: [https://doi.org/10.1016/S2213-2600\(20\)30071-0](https://doi.org/10.1016/S2213-2600(20)30071-0)

DYMIND's solution for COVID-19



♥ 5-Part differentiation, 33 parameters, including 27 reportable parameters, **CRP, Hs-CRP**

♥ Up to **65 tests per hour**

♥ 3 sample modes: whole blood, capillary blood and pre-diluted

♥ **10.4 inches** high resolution TFT touch screen

♥ **Build-in** lyse and CRP position



DF50CRP
 Intelligence for Small Labs

DYMIND's solution for COVID-19

♥ 5-Part differentiation, 33 parameters, including 27 reportable parameters, **CRP, Hs-CRP**

♥ Up to **90 tests per hour**

♥ 3 sample modes: whole blood, capillary blood and pre-diluted

♥ 5 Part + CRP tested combined with one machine with **autoloader** with **3D scattergram**



DH76 CRP
 Beyond efficiency for Mid-Labs and hospitals

ONE tube in ONE minutes