

Optimizing Patient Care

Lab testing is critical for assessing disease severity and progression as well as monitoring therapeutic intervention. We provide hospital labs with an extensive menu of tests that deliver reliable, fast, accurate results to enable decisive patient care.

Recommended Tests for COVID-19 Patients

Based on current literature.

Laboratory test	Main lab abnormalities observed in COVID-19 patients with unfavorable progression	Major predictor of COVID-19 severity	Available on a VITROS® system
Complete blood count	↑ Increased white blood cell count		
	↑ Increased neutrophil count	✓	
	↓ Decreased lymphocyte count	✓	
	↓ Decreased platelet count		
Albumin	↓ Decreased	✓	✓
LDH	↑ Increased	✓	✓
ALT	↑ Increased	✓	✓
AST	↑ Increased	✓	✓
Total bilirubin	↑ Increased		✓
Creatinine	↑ Increased		✓
Urea	↑ Estimated increase		✓
Cardiac troponin	↑ Increased	✓	✓
D-Dimer	↑ Increased	✓	✓
Prothrombin time	↑ Increased		
Procalcitonin	↑ Increased	✓	✓
C-reactive protein	↑ Increased	✓	✓
Ferritin	↑ Increased		✓
Cytokines (IL-6)	↑ Increased		

1. IFCC Information Guide on COVID-19. Accessed October 14, 2021. <https://www.ifcc.org/resources-downloads/ifcc-information-guide-on-covid-19-introduction/>

2. Lippi G, Plebani M. Laboratory abnormalities in patients with COVID-2019 infection. *Clin Chem Lab Med*. 2020;58(7):1131-1134. doi:10.1515/cclm-2020-0198

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