

# Fact Sheet

## Main laboratory abnormalities associated with COVID-19

### Laboratory tests supporting clinicians with COVID-19

Although RT-PCR is the recommended testing for diagnosis of a SARS-CoV-2 infection, there are numerous other diagnostic parameters that show abnormal laboratory results in COVID-19 patients. In addition to hematologic parameters, like lymphocyte counts, especially CRP testing and a series of other clinical chemistry parameters, as well as D-Dimer testing play a role in monitoring and staging of COVID-19 patients.<sup>1,2</sup>

Product Line	Parameter	Lab abnormalities
Hematology	Neutrophile count	↑
	Lymphocyte count	↓
	Erythrocyte sedimentation rate	↑
Clinical Chemistry	C-reactive protein	↑
	Albumin	↓*
	Liver enzymes (GOT (AST), GPT (ALT), GGT, ALP, Bilirubin)	↑*
	Lactate dehydrogenase (LDH)	↑*
	Kidney parameters (Creatinine, Urea/BUN)	↑*
	Lactate	↑*
Cardiac Marker	CK-MB	↑*
	Myoglobin	↑*
	Troponin	↑*
Coagulation	D-dimer	↑*
	Prothrombin time (sec)	↑*

\* in severe cases, mainly

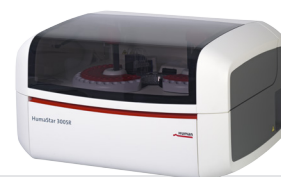
<sup>1</sup> Diagnosis and Treatment Protocol for Novel Coronavirus Pneumonia (Trial Version 7); Released by National Health Commission & State Administration of Traditional Chinese Medicine; March 3, 2020

<sup>2</sup> Lippi G, Plebani M. Laboratory abnormalities in patients with COVID-2019 infection. Clin Chem Lab Med 2020 Feb 24. doi: 10.1515/cclm-2020-0198

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## Suitable HUMAN products in the context of COVID-19



Clinical Chemistry		REF - Multipurpose Reagents	REF - System Reagents
<b>Inflammation</b>	CRP	11241	11241300, 11241600
<b>Liver Panel</b>	ALBUMIN liquicolor	10560, 156004	10560300, 10560600
	Gamma-GT	12213, 12013, 12023, 12033	12023300, 12023600
	GPT (ALAT) IFCC mod. liquiUV	12212, 12012, 12022, 12032	12022300, 12022600
	GOT (ASAT) IFCC mod. liquiUV	12211, 12011, 12021, 12031	12021300, 12021600
	BILIRUBIN liquicolor	10012	
	BILIRUBIN DIRECT/TOTAL liquicolor	10740	
	auto-BILIRUBIN-T liquicolor	10742	10742300, 10742600
<b>Kidney Panel</b>	CREATININE liquicolor	10051	
	auto-CREATININE liquicolor	10052	10052300, 10052600
	CREATININE (enzym) liquicolor	10053	10053300, 10053600
	UREA liquicolor	10505, 10506, 10507	
	UREA liquiUV	10521	10521300, 10521600
<b>Cardiac Panel</b>	LDH SCE mod. liquiUV	12214, 12014, 12024	12014300, 12014600
	CK-MB	12118	12118600

Further HUMAN Products		REF
<b>Rapid Tests</b>	HumaTex CRP	40043
<b>Hematology</b>	HumaCount 5D	16450
	HumaCount 30 <sup>TS</sup>	16420/30
	HumaCount 80 <sup>TS</sup>	16420/80
	HumaSRate 24 <sup>PT</sup>	15024
<b>Hemostasis</b>	HEMOSTAT D-Dimer	36002
	HEMOSTAT aPTT-EL	33002, 33012, 33013
	HEMOSTAT Thromboplastin liquid	31012
	HEMOSTAT Thromboplastin-SI	31002, 31003
	HumaClot Pro	15800



HumaCount 5D



HumaClot Pro

# Human

Diagnostics Worldwide