SARS CoV-2 Patient Lab Assays

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Initial Dx	Intermediate	Severe
3,600-10,600/µL	<3,600/µL	<3,600/µL
1,700–7,500/µL	<1,700/µL	<1,700/µL + NET*
1,000–1,500/µL	<1,000/µL	<1,000/µL
150–450,000/µL	150–450,000/µL	<150,000/µL
13.5–15/μL	<13.5 g/dL	<9 g/dL
Coagulopathy		
~17 s	~17 s	>20 s [not predictive]
>35 s	>35 s	>35 s [not predictive]
<22 s	>22 s	>>22 s [Some <22s]
>400 mg/dL	>400 mg/dL	>>400 mg/dL
>240 ηg/mL	>1000 ηg/mL	>>1000 ηg/mL
>500 ηg/mL	>2000 ηg/mL	>>2000 ηg/mL
>0.5 µg/mL	>2.0 µg/mL	>>2.0 µg/mL
>150 U/mL	>150 U/mL	>150 U/mL
Positive	Positive	Positive
<70%	<70%	<70%
Inflammation-Sepsis C-reactive protein [CRP] >820 μg/dL >820 μg/dL >>820 μg/dL		
>820 µg/dL	>820 µg/dL	>>820 µg/dL
>20 mm/h	>20 mm/h	>20 mm/h
40–400 ηg/mL	>400 ղg/mL	>>400 ηg/mL
12–100 ηg/mL	>100 ηg/mL	>>100 ηg/mL
Elevated	Elevated	Elevated
	>0.5 µg/L	>>0.5 μg/L
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		<3.5 g/dL
		>40 Units/L
	>20 Units/L	>20 Units/L
		>200 Units/L
	>0.5 µg/L	>>0.5 µg/L
-		>>23 mg/dL
0.6–1.2 mg/dL	>1.2 mg/dL	>>1.2 mg/dL
>, greater than	<, less than	
	Initial Dx 3,600–10,600/µL 1,700–7,500/µL 1,000–1,500/µL 150–450,000/µL 13.5–15/µL coagulopathy ~17 s >35 s <22 s >400 mg/dL >240 ηg/mL >500 ηg/mL >0.5 µg/mL >150 U/mL Positive <70% mmation-Sepsis >820 µg/dL >20 mm/h 40–400 ηg/mL 12–100 ηg/mL	3,600–10,600/μL 1,700–7,500/μL 1,000–1,500/μL 150–450,000/μL 13.5–15/μL 20agulopathy -17 s -17 s -35 s -22 s -400 mg/dL ->400 mg/dL ->150 U/mL ->150 U/mL ->20 mm/h ->20 mg/mL ->20 mg/mL ->20 mg/mL ->20 mg/mL ->20 mg/mL ->20 mm/h ->20 mg/mL ->20 mm/h ->20 mg/mL ->

Adapted from Susan LeClair, PhD, Dave McGlasson, Kirk Guyer, and Gordon Ens, personal communication. Guevara-Noriega KA, Lucar-Lopez GA, Nuñez G, et al. Review: coagulation panel in patients with SARS-CoV2 infection (COVID-19) Ann Clin Lab Science 2020;50:295–8; Long H, Nie L, Xiang X, et al. D-dimer and prothrombin time are the significant Indicators of severe COVID-19 and poor prognosis. Biomed Res Int Jun 6;2020:6159720. doi: 10.1155/2020/6159720 accessed 7-8-20; and Keohane EM, Otto CN, Walenga JM. Rodak's Hematology, Clinical Principles and Application, 6th Edition, 2020; Favaloro EJ, Thachil J, Reporting of D-dimer data in COVID-19: some confusion and potential for misinformation. Clin Chem Lab Med 2020;58:1191–9; Nazarullah A, Liang C, Villarreal A, et al. Peripheral blood examination findings in SARS-CoV-2 infection. AJCP 2020, pre-publication.