

Cytokine	Control N = 28		Cases N = 108		<i>p</i>
	Median	IQR	Median	IQR	
BDNF	39.01	115.95	58.67	132.52	0.024
EGF	3.78	1.48	2.15	7.4	0.171
Eotaxin	23.82	12.66	13.85	9.6	<0.001
GMCSF	15.07	6.19	11.38	25.39	0.733
GRO $\alpha$	4.26	1.83	2.99	4.17	0.190
HGF	71.45	53.6	163.75	251.66	<0.001
IFN $\alpha$	0.74	0.37	0.48	1.63	0.499
IFN $\gamma$	12.56	3.4	8.81	6.7	0.005
IL-1 $\alpha$	0.58	0.56	2.5	7.76	0.012
IL-1 $\beta$	2.49	0.96	6.62	10.47	<0.001
IL-10	1.81	0.5	1.69	2.54	0.611
IL-13	3.17	1.5	2.06	2.86	0.093
IL-15	4.41	2.96	13.32	17.99	<0.001
IL-17A	2.03	0.61	7.03	14.73	<0.001
IL-18	14.53	18.43	47.2	51.74	<0.001
IL-1RA	72.51	38.73	604.75	1007.92	<0.001
IL-2	7.59	1.61	13.39	19.64	<0.001
IL-22	18.15	22.33	3.57	20.89	0.015
IL-27	38.87	18.2	18.06	34.08	0.023
IL-4	10.37	4.52	5.59	6.98	0.04
IL-5	9.42	4.88	5.12	17.34	0.394
IL-6	8.69	3.56	13.07	22.73	0.01
IL-7	0.72	0.31	1.67	2.88	<0.001
IL-8	3.25	1.69	2	3.81	0.079
IP1b	29.95	22.42	48.6	44.16	0.007
IP-10	5.56	4.2	45.67	40.46	<0.001
LIF	12.18	2.46	14.9	16.81	0.105

Cytokine	Control N = 28		Cases N = 108		<i>p</i>
	Median	IQR	Median	IQR	
MCP1	16.78	14.57	37.88	31.55	<0.001
MIP1a	2.91	1.12	3.39	11.38	0.607
PDGF-BB	31.8	39.64	303.42	656.93	<0.001
PIGF1	5.82	5.16	5.45	60.52	0.807
RANTES	17.62	8.36	22.77	18.9	0.001
SCF	9.52	12.13	6.51	7.49	0.199
SDF1a	951.75	412.62	669.5	607.62	0.011
TNF $\alpha$	6.46	3.29	6.02	10.91	0.541
VEGFA	47.8	98.36	122.65	188.12	0.001
VEGFD	6.55	10.74	12.65	13.28	0.005

**Table S1:** Level of cytokine comparing cases and control. They are represented as [median. (interquartile range. IQR)].

Parameter	AUC	<i>p</i>	CI 95%
<b>IP-10</b>	0.900	<0.001	0.846 – 0.954
<b>D Dimer</b>	0.736	<0.001	0.643 – 0.828
<b>SpO2</b>	0.289	<0.001	0.195 – 0.382
<b>CRP</b>	0.717	<0.001	0.624 – 0.811
<b>Lymphocytes</b>	0.300	<0.001	0.202 – 0.398
<b>Procalcitonin</b>	0.537	0.485	0.433 – 0.642

**Table S2:** Area under the receiver operating characteristic curve (AUROC) analysis of IP-10 compared to other biomarkers.

a	COVID-19	Non COVID-19		
	26 patients	0 patients	26 patients	PPV 100%
First PCR SARS-CoV-2: Positive				
	32 patients	59 patients	91 patients	NPV 35.16%
First PCR SARS-CoV-2: Negative				
	58 patients	59 patients	117 patients	
	Sensitivity	Specificity		
	44.82%	100%		

  

b	COVID-19	Non COVID-19		
	50 patients	11 patients	61 patients	PPV 81.96%
IP-10 > 173.35 pg/mL				
	8 patients	48 patients	56 patients	NPV 85.71%
IP-10 < 173.35 pg/mL				
	58 patients	59 patients	117 patients	
	Sensitivity	Specificity		
	86.20%	81.35%		

**Table S3:** Sensitivity and specificity diagnosis of first PCR SARS-CoV-2 (a) and IP-10 cut-off point (b).