

**Table S1.** Aerosol collection points.

Department of general therapy							
Room	Date of collection	Method of collection	Duration of collection, min	Volume of air, m <sup>3</sup>	Point number	Sample Ct (GE ml <sup>-1</sup> )	Clinical Ct
Nurses station	18.06.2020	Cyclone-Bio	5	1.625	1	neg.	-
Nurses station	18.06.2020	Cyclone-Bio	5	1.625	2	neg.	-
Nurses station	18.06.2020	Cyclone-Bio	5	1.625	3	neg.	-
Patient room №14, 2 patients	18.06.2020	Cyclone-Bio	5	1.625	4	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	18.06.2020	Cyclone-Bio	5	1.625	5	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	18.06.2020	Cyclone-Bio	2	0.625	6	neg.	1. 26.7 2. 25.5
Patient room №17, 4 patients	18.06.2020	SASS 2300	15	4.875	7	neg.	1. 25.2 2. 33.0
Patient room №17, 4 patients	18.06.2020	SASS 2300	15	4.875	8	neg.	1. 25.2 2. 33.0
Staff room	18.06.2020	SASS 2300	15	4.875	9	neg.	-
Intensive care unit							
Hallway	25.06.2020	SASS2300+ SASS4000	20	80	B1	40.06 (100)	-
Hallway	25.06.2020	SASS2300+ SASS4000	20	80	B2	neg.	-
Hallway	25.06.2020	SASS2300+ SASS4000	20	80	B3	37.6 (500)	-
Room №49, 2 patients	25.06.2020	SASS2300	5	1.625	B4	38.35 (100)	1. 31.5 2. 28.4
Room	25.06.2020	SASS2300	5	1.625	B5	38.45 (100)	1. Floor (Ct n/a)
Room №58, 1 patient	25.06.2020	SASS2300	5	1.625	B6	39.25 (100)	1. 22.3

**Table S2.** Swab collection points from various surfaces.

Department of general therapy					
Room	Date of collection	Point number	Point	Sample Ct (GE ml <sup>-1</sup> )	Clinical Ct
Patient room №14, 2 patients	15.06.2020	1	Floor (in the patients' room)	35.34 (1000)	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	2	Floor (by the toilet)	38.5 (100)	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	3	Toilet seat	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	4	Handle from the sink	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	5	Bedside table	38.23 (100)	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	6	Window handle	39.12 (100)	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	7	Toilet handle	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	8	Inhaler	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	9	Switch	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	15.06.2020	10	Windowsill	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	18.06.2020	55	Bedside table	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	18.06.2020	56	Floor	neg.	1. 26.7 2. 25.5
Patient room №14, 2 patients	18.06.2020	57	Toilet seat + flush handle	neg.	1. 26.7 2. 25.5
Patient room №18	15.06.2020	11	Inhaler	neg.	-

Patient room №18	15.06.2020	12	Switch	neg.	-
Patient room №18	15.06.2020	13	Bedside table	neg.	-
Nurse's station	15.06.2020	14	Door handle (inside)	neg.	-
Nurse's station	15.06.2020	16	Post handset	neg.	-
Nurse's station	16.06.2020	50	A container for thermometers	neg.	-
Nurse's station	16.06.2020	39	Dining table	neg.	-
Nurse's station	16.06.2020	40	Mirror	neg.	-
Staff room	15.06.2020	15	Door handle (external side)	neg.	-
Staff room	16.06.2020	41	The chair on which the PPE is dropped	neg.	-
Staff room	16.06.2020	42	Floor	neg.	-
Staff room	18.06.2020	84	Floor	neg.	-
Staff room	18.06.2020	85	The shoes of the physician	neg.	-
PPE removal zone	15.06.2020	17	PPE suit (the chest part)	neg.	-
Cafeteria	15.06.2020	18	Refrigerator handle	neg.	-
Cafeteria	16.06.2020	31	Floor	neg.	-
Cafeteria	16.06.2020	32	Sink	neg.	-

Manager's Office	15.06.2020	19	Door handle outside	38.76 (100)	-
Manager's Office	16.06.2020	21	Table	neg.	-
Manager's Office	16.06.2020	22	Sink	neg.	-
Manager's Office	16.06.2020	23	Mirror	neg.	-
Hallway	15.06.2020	20	Reception hallway parapet	neg.	-
Hallway	16.06.2020	45	COVID-19 patient wheelchair handle	neg.	-
Hallway	16.06.2020	46	Sofa	neg.	-
Hallway	16.06.2020	47	Changing area for employees	neg.	-
Hallway	16.06.2020	48	Clean linen closet	neg.	-
Hallway	16.06.2020	49	Handout table	neg.	-
Hallway	16.06.2020	28	Table for dirty dishes	neg.	-
Hallway	16.06.2020	35	Trolley for transporting dirty laundry	neg.	-
Entrance to the Department	16.06.2020	24	Table for processing documents	neg.	-
Staff bathroom	16.06.2020	25	Toilet seat	neg.	-
Staff bathroom	16.06.2020	26	Sink	neg.	-
Staff bathroom	16.06.2020	27	Mirror	neg.	-
Treatment room	16.06.2020	29	Desk with supplies	neg.	-

Treatment room	16.06.2020	30	Floor	neg.	-
Recreation area	16.06.2020	33	Refrigerator for transfers	neg.	-
Recreation area	16.06.2020	34	Table	neg.	-
Inhalator room	16.06.2020	36	Manipulation table	neg.	-
Inhalator room	16.06.2020	37	Table with consumables	neg.	-
Inhalator room	16.06.2020	38	Refrigerator for medicines	neg.	-
Sanitary room	16.06.2020	43	Door handle (inside)	neg.	-
Sanitary room	16.06.2020	44	Sink	neg.	-
Sanitary room	18.06.2020	51	Floor	neg.	-
Sanitary room	18.06.2020	52	Dining table	neg.	-
Sanitary room	18.06.2020	53	Employee cabin	neg.	-
Sanitary room	18.06.2020	54	Door handle	neg.	-
Patient room № 17, 4 patients	18.06.2020	61	Floor	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	62	Bedside table	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	63	Headboard	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	64	Phone screen	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	65	Sheets	neg.	1. 25.2 2. 25.4

Patient room № 17, 4 patients	18.06.2020	66	Inhalation mask (outer part)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	67	Water bottle (the neck)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	68	Call button	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	69	Personal items (clothing: bathrobe)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	70	The handle of the bathroom (outside)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	71	Air conditioning (outside)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	72	Air conditioning (inside)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	73	Cup	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	74	Leather (brush: back side)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	75	Toilet seat	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	76	Personal towel	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	77	Personal thermometer	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	78	Sink (tap)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	79	Oropharynx	33.14 (1000)	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	80	Inhalation mask (inner part)	neg.	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	81	Ward door handle (inside)	37.95 (500)	1. 25.2 2. 25.4
Patient room № 17, 4 patients	18.06.2020	82	Side handrails of the bed	neg.	1. 25.2 2. 25.4

Patient room № 17, 4 patients	18.06.2020	83	Handle from the table	neg.	1. 25.2 2. 25.4
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Intensive care unit ("clean zone")

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Entrance to the department, Hallway	25.06.2020	A1	Floor (at the front door)	neg.	-
Entrance to the department, Hallway	25.06.2020	A2	Door handle (inside)	neg.	-
Senior nurses room	25.06.2020	A4	Desktop	neg.	-
Senior nurses room	25.06.2019	A5	Door handle (outside)	neg.	-
Senior nurses room	25.06.2020	A6	Floor	neg.	-
Staff room	25.06.2020	A9	Floor	neg.	-
Staff room	25.06.2020	A10	Door handle (inside)	neg.	-

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Intensive care unit ("red zone")

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Anteroom №56	25.06.2020	A3	Door handle outside (clean area, hallway)	neg.	Patients without COVID-19
Anteroom №56	25.06.2020	A7	Floor	neg.	Patients without COVID-19
Anteroom №56	25.06.2020	A8	Door handle (dirty area)	neg.	Patients without COVID-19
Room №49, 2 patients	25.06.2020	A11	Floor	40.27 (50-100)	1. 31.5 2. 28.4
Room №49, 2 patients	25.06.2020	A12	Electronics (1, near the window)	36.46 (1000)	1. 31.5 2. 28.4

Room №49, 2 patients	25.06.2020	A13	Electronics (1, near the door)	neg.	1. 31.5 2. 28.4
Room №49, 2 patients	25.06.2020	A14	Door handle (dirty area)	neg.	1. 31.5 2. 28.4
Anteroom №49	25.06.2020	A15	Door handle (clean area, hallway)	40.06 (50-100)	1. 31.5 2. 28.4
Anteroom №49	25.06.2020	A41	Floor	40.23 (50-100)	1. 31.5 2. 28.4
Room №52, 2 patients	25.06.2020	A17	Floor	39,76 (100)	1. Floor (Ct n/a) 2. Neg.
Room №52, 2 patients	25.06.2020	A18	Electronics (1, near the window)	neg.	1. Floor (Ct n/a) 2. Neg.
Room №52, 2 patients	25.06.2020	A19	Electronics (1, near the door)	neg.	1. Floor (Ct n/a) 2. Neg.
Room №52, 2 patients	25.06.2020	A20	Door handle (dirty area)	neg.	1. Floor (Ct n/a) 2. Neg.
Anteroom №52	25.06.2020	A22	Door handle (clean area, hallway)	neg.	1. Floor (Ct n/a) 2. Neg.
Anteroom №52	25.06.2020	A42	Floor	neg.	1. Floor (Ct n/a) 2. Neg.
Room №54, 1 patient	25.06.2020	A23	Floor	neg.	Patients without COVID-19
Room №54, 1 patient	25.06.2020	A24	Electronics (1, near the window)	neg.	Patients without COVID-19
Room №54, 1 patient	25.06.2020	A25	Ventilator tube	neg.	Patients without COVID-19
Room №54, 1 patient	25.06.2020	A26	Door handle (dirty area)	neg.	Patients without COVID-19



Anteroom №54	25.06.2020	A28	Door handle (clean area, hallway)	neg.	Patients without COVID-19
Anteroom №54	25.06.2020	A43	Floor	neg.	Patients without COVID-19
Room №58, 1 patient	25.06.2020	A35	Floor	neg.	1. 22.3
Room №58, 1 patient	25.06.2020	A36	Electronics (1, near the window)	neg.	1. 22.3
Room №58, 1 patient	25.06.2020	A37	Ventilator tube	neg.	1. 22.3
Room №58, 1 patient	25.06.2020	A38	Door handle (dirty area)	neg.	1. 22.3
Anteroom №58	25.06.2020	A40	Door handle (clean area, hallway)	neg.	1. 22.3
Anteroom №58	25.06.2020	A45	Floor	37.43 (500)	1. 22.3

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**Table S3.** Results of PCR analysis for the presence of SARS-CoV-2 RNA in aerosols and on surfaces in the immediate vicinity of the patient with COVID-19.

Point number	Point	Sample type	Sample Ct
62	Bedside table	Swab	neg.
63	Headboard	Swab	neg.
64	Phone screen	Swab	neg.
65	Bed sheet	Swab	neg.
66	Inhalation mask (outer part)	Swab	neg.
80	Inhalation mask (inner part)	Swab	neg.
67	The bottle of water	Swab	neg.
68	Call button	Swab	neg.
69	Personal dressing	Swab	neg.
73	Cup	Swab	neg.
74	Skin on the back of the hand	Swab	neg.
76	Personal towel	Swab	neg.
77	Personal thermometer	Swab	neg.
79	Swab of oropharynx	Swab	33
8	Sampling device at a distance of 1.5 meters from the infected patient	Aerosol	neg.
9	Sampler at a distance of 0.5 metres from the infected patient	Aerosol	neg.