



# POST-DISINFECTION CORONAVIRUS-19 FIELD VERIFICATION TESTING REPORT

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CLIENT: Mitchell Gayer  
NJIT  
333 Martin Luther King Blvd  
Newark, NJ 07102

SITE LOCATION: NJIT  
333 Martin Luther King Blvd  
Newark, NJ 07102

SCOPE OF WORK: COVID-19 Verification Testing

AREAS TESTED: Campus-Wide

CLIENT CONTACT(S): Mitchell Gayer

SITE EVALUATION CONDUCTED: 3/23 & 3/24/2021

DATE OF REPORT: 3/26/2021

REPORT PREPARED BY: Ross Hernandez & Kadeem Hill

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{Omega Project#: 21-1040}

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Executive Summary:

On 3/23/2021 and 3/24/2021, Omega Environmental Services conducted representative ATP surface testing and SARS-CoV-2 environmental sampling in the following buildings on the NJIT campus:

- Weston Hall
- Campus Center
- Central King Building (CKB)
- Kupfrian Hall
- Life Sciences & Engineering Center (LSEC)
- Laurel Residential Hall
- Honors College Residential Hall
- Wellness Entertainment Center (WEC)
- Redwood Residential Hall
- Cypress Residential Hall

The purpose of this testing was to document adequate disinfection and cleaning by the NJIT Building Service staff.

Parameter	Results
Adenosine Triphosphate (ATP) Direct Reads: Bioluminescence Meter (Detects Bacteria and Bio-Load)	<ul style="list-style-type: none"><li>• 17-out-of-161 representative ATP surface samples collected reported elevated ATP levels (10.6% of samples). 1-out-of the 17 samples with elevated ATP levels were pre-cleaning samples. Meaning they were collected before the area was cleaned by NJIT building services.</li><li>• In the Wellness Entertainment Center, the average pre-cleaning ATP concentration with 154 RLU, with 10% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration with 35 RLU, representing a 77% reduction in ATP concentrations.</li><li>• Omega Environmental Services collected SARS-CoV-2 surface samples on all representative surfaces with elevated ATP levels.</li></ul>
SARS-CoV-2 PCR Samples	<ul style="list-style-type: none"><li>• Laboratory results indicate all the SARS-CoV-2 air and surface samples collected on 3/23/21 and 3/24/21 were negative.</li></ul>

### **Bio-Load and SARS-CoV-2 Field Sampling & Analysis Protocol:**

While a COVID-19 PCR DNA sequencing field testing method has become available, pre-screen methods that apply to overall bacteria cleaning are being employed to more efficiently clear areas and reduce testing costs.

- **REAL-TIME FIELD SCREEN USING ATP DIRECT-READ BIO-LUMINESCENCE METER AND WHITE CLOTH TESTS:** Omega field IH to inspect the room and collect ATP swabs on all component basis to assess overall cleaning thoroughness. If there are ATP swab results statistically above “typical background,” re-cleaning of the room will be requested followed by repeat ATP testing before proceeding with further testing.
- **COVID-19 PCR DNA SEQUENCING METHOD:** Once a room passes the above described bio-load testing protocols, a COVID-19 PCR swab will be collected from alternating room locations.
- **COVID-19 PCR AIR SAMPLING METHOD:** Air samples are collected using a linear oscillating pump in conjunction with a 0.3  $\mu\text{m}$  Polytetrafluoroethylene (PTFE) filter housed 37 mm cassettes. The pump pulls the air from the surrounding area into the cassette where any airborne virus particulates are captured. The samples are collected at a flow rate of 15 liters per minute (LPM), for 2 hours, totaling 1800 liters. Once sampling is complete, samples are shipped to an independent laboratory for analysis. Samples are analyzed via a polymerase chain reaction (PCR) method. The PCR method relies on a protein responsible for DNA replication in cells, please note this protein will only replicate DNA strands that match the COVID-19 sequence. If replication exceeds a threshold established by the laboratory the sample is determined to be positive for the COVID-19 strand. Test results should be used as metrics for cleaning success rather than a direct estimator for infection potential.

**Definitions:**

ATP - Adenosine Triphosphate

RLU – Relative Light Unit

\*- Elevated ATP Levels

**ATP Direct Read: Bio-Luminescence Meter (*Hygiena/Ensure*) Data:**

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
1	03/23/2021 09:28 AM	Oak Residential Hall	2 <sup>nd</sup> Floor Hallway	2 <sup>nd</sup> Floor Elevator Call Button, Down	66	105	211	
2	03/23/2021 09:28 AM	Oak Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator Call Button, Down	143	105	211	
3	03/23/2021 09:29 AM	Oak Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator Call Button, Down	42	105	211	
4	03/23/2021 09:29 AM	Oak Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator Call Button, Down	53	105	211	
5	03/23/2021 09:30 AM	Oak Residential Hall	6 <sup>th</sup> Floor Hallway	6 <sup>th</sup> Floor Elevator Call Button, Down	52	105	211	
6	03/23/2021 09:31 AM	Oak Residential Hall	7 <sup>th</sup> Floor Hallway	7 <sup>th</sup> Floor Elevator Call Button, Down	84	105	211	
7	03/23/2021 09:31 AM	Oak Residential Hall	8 <sup>th</sup> Floor Hallway	8 <sup>th</sup> Floor Elevator Call Button, Down	74	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
8	03/23/2021 09:42 AM	Laurel Residential Hall	2 <sup>nd</sup> Floor Hallway	2 <sup>nd</sup> Floor Elevator Call Button, Down*	647	105	211	SARS-CoV-2 sample collected.
9	03/23/2021 09:42 AM	Laurel Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator Call Button, Down	126	105	211	
10	03/23/2021 09:43 AM	Laurel Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator Call Button, Down*	1,215	105	211	SARS-CoV-2 sample collected.
11	03/23/2021 09:44 AM	Laurel Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator Call Button, Down	61	105	211	
12	03/23/2021 09:44 AM	Laurel (Extension) Residential Hall	2 <sup>nd</sup> Floor Hallway	2 <sup>nd</sup> Floor Elevator Call Button, Down	153	105	211	
13	03/23/2021 09:45 AM	Laurel (Extension) Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator Call Button, Down	187	105	211	
14	03/23/2021 09:46 AM	Laurel (Extension) Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator Call Button, Down*	347	105	211	SARS-CoV-2 sample collected.
15	03/23/2021 09:46 AM	Laurel (Extension) Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator Call Button, Down	108	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
16	03/23/2021 09:47 AM	Laurel (Extension) Residential Hall	6 <sup>th</sup> Floor Hallway	6 <sup>th</sup> Floor Elevator Call Button, Down	61	105	211	
17	03/23/2021 09:48 AM	Laurel (Extension) Residential Hall	7 <sup>th</sup> Floor Hallway	7 <sup>th</sup> Floor Elevator Call Button, Down	124	105	211	
18	03/23/2021 10:13 AM	Honors College Residential Hall	2 <sup>nd</sup> Floor Hallway	2 <sup>nd</sup> Floor “Up” Elevator Call Button, Down	25	105	211	Elevator Lobby Room 111 side of the building.
19	03/23/2021 10:14 AM	Honors College Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor “Up” Elevator Call Button, Down	68	105	211	Elevator Lobby Room 111 side of the building.
20	03/23/2021 10:14 AM	Honors College Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor “Up” Elevator Call Button, Down	203	105	211	Elevator Lobby Room 111 side of the building.
21	03/23/2021 10:15 AM	Honors College Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor “Up” Elevator Call Button, Down*	379	105	211	Elevator Lobby Room 111 side of the building. SARS- CoV-2 sample collected.
22	03/23/2021 10:15 AM	Honors College Residential Hall	6 <sup>th</sup> Floor Hallway	6 <sup>th</sup> Floor “Up” Elevator Call Button, Down	80	105	211	Elevator Lobby Room 111 side of the building.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
23	03/23/2021 10:16 AM	Honors College Residential Hall	2 <sup>nd</sup> Floor Hallway	2 <sup>nd</sup> Floor “Down” Elevator Call Button, Down	90	105	211	Elevator Lobby Room 105 side of the building.
24	03/23/2021 10:16 AM	Honors College Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor “Down” Elevator Call Button, Down*	352	105	211	Elevator Lobby Room 105 side of the building. SARS-CoV-2 sample collected.
25	03/23/2021 10:17 AM	Honors College Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor “Down” Elevator Call Button, Down	125	105	211	Elevator Lobby Room 105 side of the building.
26	03/23/2021 10:17 AM	Honors College Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor “Down” Elevator Call Button, Down	145	105	211	Elevator Lobby Room 105 side of the building.
27	03/23/2021 10:18 AM	Honors College Residential Hall	6 <sup>th</sup> Floor Hallway	6 <sup>th</sup> Floor “Down” Elevator Call Button, Down	110	105	211	Elevator Lobby Room 105 side of the building.
28	03/23/2021 11:47 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-001, Keyboard	113	105	211	
29	03/23/2021 11:48 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-007, Mouse	0	105	211	
30	03/23/2021 11:48 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-009, Keyboard	85	105	211	



Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
31	03/23/2021 11:49 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-023, Mouse	126	105	211	
32	03/23/2021 11:49 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-025, Keyboard	70	105	211	
33	03/23/2021 11:49 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-027, Mouse	57	105	211	
34	03/23/2021 11:50 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-029, Keyboard	98	105	211	
35	03/23/2021 11:50 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-030, Mouse	37	105	211	
36	03/23/2021 11:50 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-032, Keyboard*	300	105	211	SARS-CoV-2 sample collected.
37	03/23/2021 11:51 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-036, Mouse*	291	105	211	SARS-CoV-2 sample collected.
38	03/23/2021 11:52 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-039, Keyboard	67	105	211	
39	03/23/2021 11:52 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-043, Mouse	62	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
40	03/23/2021 11:53 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-045, Keyboard	17	105	211	
41	03/23/2021 11:53 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-050, Mouse	39	105	211	
42	03/23/2021 11:53 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-056, Keyboard	89	105	211	
43	03/23/2021 11:54 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-060, Mouse	71	105	211	
44	03/23/2021 11:54 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-063, Keyboard	127	105	211	
45	03/23/2021 11:54 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-066, Mouse	99	105	211	
46	03/23/2021 11:55 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-070, Keyboard	90	105	211	
47	03/23/2021 11:55 AM	Houten Library	1 <sup>st</sup> Floor Sitting Area	Computer CA-1047-072, Mouse	4	105	211	
48	03/23/2021 01:20 PM	Cypress Residential Hall	2 <sup>nd</sup> Floor Hallway	2 <sup>nd</sup> Floor Elevator Call Button, Down	169	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
49	03/23/2021 01:21 PM	Cypress Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator Call Button, Down*	245	105	211	SARS-CoV-2 sample collected.
50	03/23/2021 01:21 PM	Cypress Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator Call Button, Down	67	105	211	
51	03/23/2021 01:22 PM	Cypress Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator Call Button, Down*	413	105	211	SARS-CoV-2 sample collected.
52	03/23/2021 01:22 PM	Cypress Residential Hall	6 <sup>th</sup> Floor Hallway	6 <sup>th</sup> Floor Elevator Call Button, Down	51	105	211	
53	03/23/2021 01:23 PM	Cypress Residential Hall	7 <sup>th</sup> Floor Hallway	7 <sup>th</sup> Floor Elevator Call Button, Down*	265	105	211	SARS-CoV-2 sample collected.
54	03/23/2021 01:23 PM	Cypress Residential Hall	8 <sup>th</sup> Floor Hallway	8 <sup>th</sup> Floor Elevator Call Button, Down	130	105	211	
55	03/23/2021 01:37 PM	Redwood Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator 1 Call Button, Down	109	105	211	
56	03/23/2021 01:37 PM	Redwood Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator 2 Call Button, Down	20	105	211	
57	03/23/2021 01:38 PM	Redwood Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator 1 Call Button, Down	47	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
58	03/23/2021 01:38 PM	Redwood Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator 2 Call Button, Down	10	105	211	
59	03/23/2021 01:39 PM	Redwood Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator 1 Call Button, Down	42	105	211	
60	03/23/2021 01:39 PM	Redwood Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator 2 Call Button, Down	19	105	211	
61	03/24/2021 09:11 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Window Bench, Seat 1	78	105	211	
62	03/24/2021 09:13 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Window Bench, Seat 3	55	105	211	
63	03/24/2021 09:14 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Window Bench, Seat 5	63	105	211	
64	03/24/2021 09:14 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Table 1, Seat 1	25	105	211	
65	03/24/2021 09:15 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Table 1, Seat 2	22	105	211	
66	03/24/2021 09:16 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Table 2, Seat 1	12	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
67	03/24/2021 09:16 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Table 2, Seat 2	18	105	211	
68	03/24/2021 09:17 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Round Table 1	10	105	211	
69	03/24/2021 09:18 AM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Round Table 2	27	105	211	
70	03/24/2021 09:24 AM	Central King Building (CKB)	Tutoring Center	Surface of Table 1, Seat 1	71	105	211	
71	03/24/2021 09:25 AM	Central King Building (CKB)	Tutoring Center	Surface of Table 2, Seat 3	41	105	211	
72	03/24/2021 09:25 AM	Central King Building (CKB)	Ground Floor Tutoring Center	Surface of Table 3, Seat 2	73	105	211	
73	03/24/2021 09:26 AM	Central King Building (CKB)	Tutoring Center	Surface of Table 4, Seat 4	55	105	211	
74	03/24/2021 09:27 AM	Central King Building (CKB)	Tutoring Center	Surface of Table 5, Seat 3	67	105	211	
75	03/24/2021 09:27 AM	Central King Building (CKB)	Tutoring Center	Surface of Table 7, Seat 2	189	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
76	03/24/2021 09:36 AM	LSEC	Ground Floor Sitting Area	Surface of Table 1	173	105	211	
77	03/24/2021 09:37 AM	LSEC	Ground Floor Sitting Area	Surface of Table 2	28	105	211	
78	03/24/2021 09:37 AM	LSEC	Ground Floor Sitting Area	Surface of Table 3	41	105	211	
79	03/24/2021 09:38 AM	LSEC	Ground Floor Sitting Area	Surface of Table 4	38	105	211	
80	03/24/2021 09:39 AM	LSEC	Ground Floor Sitting Area	Surface of Table 5	50	105	211	
81	03/24/2021 09:39 AM	LSEC	Ground Floor Sitting Area	Surface of Table 6*	358	105	211	SARS-CoV-2 sample collected.
82	03/24/2021 09:40 AM	LSEC	Ground Floor Sitting Area	Surface of Table 7	40	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
83	03/24/2021 09:41 AM	LSEC	Ground Floor Sitting Area	Surface of Table 8	32	105	211	
84	03/24/2021 09:41 AM	LSEC	Ground Floor Sitting Area	Surface of Table 9	58	105	211	
85	03/24/2021 09:42 AM	LSEC	Ground Floor Sitting Area	Surface of Table 10	79	105	211	
86	03/24/2021 09:43 AM	LSEC	Ground Floor Sitting Area	Surface of Table 11	28	105	211	
87	03/24/2021 09:43 AM	LSEC	Ground Floor Sitting Area	Surface of Table 12	55	105	211	
88	03/24/2021 09:44 AM	LSEC	Ground Floor Sitting Area	Surface of Table 13	62	105	211	
89	03/24/2021 09:44 AM	LSEC	Ground Floor Sitting Area	Surface of Table 14	87	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
90	03/24/2021 10:01 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of ATM, Keypad*	223	105	211	SARS-CoV-2 sample collected.
91	03/24/2021 10:02 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Drink Vending Machine, Keypad	121	105	211	
92	03/24/2021 10:02 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Snack Vending Machine, Touch Screen*	417	105	211	SARS-CoV-2 sample collected.
93	03/24/2021 10:03 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Amazon Locker, Keypad*	2,693	105	211	SARS-CoV-2 sample collected.
94	03/24/2021 10:04 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Table 2	132	105	211	
95	03/24/2021 10:04 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Table 3, Seat 1	156	105	211	
96	03/24/2021 10:05 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Table 3, Seat 3	63	105	211	
97	03/24/2021 10:05 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Table 4, Seat 1	118	105	211	
98	03/24/2021 10:06 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Table 4, Seat 2	206	105	211	



Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
99	03/24/2021 10:06 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Table 5, Seat 1*	252	105	211	SARS-CoV-2 sample collected.
100	03/24/2021 10:07 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Table 5, Seat 3	103	105	211	
101	03/24/2021 10:07 AM	Campus Center	1 <sup>st</sup> Floor Sitting Area	Surface of Table 6, Seat 1*	240	105	211	SARS-CoV-2 sample collected.
102	03/24/2021 10:43 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Paramount Lat Pull Down Machine, Right Handle	165	105	211	Pre-cleaning sample.
103	03/24/2021 10:44 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Smith Machine 3, Left Side of Bar	139	105	211	Pre-cleaning sample.
104	03/24/2021 10:44 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of 30lb Pre-Set Jagged Bar	168	105	211	Pre-cleaning sample.
105	03/24/2021 10:45 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Right Bench	171	105	211	Pre-cleaning sample.
106	03/24/2021 10:46 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of 20lb Dumbbell	153	105	211	Pre-cleaning sample.
107	03/24/2021 10:46 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Treadmill 4, Keypad	103	105	211	Pre-cleaning sample.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
108	03/24/2021 10:47 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Elliptical 1, Left Handle	112	105	211	Pre-cleaning sample.
109	03/24/2021 10:47 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Row Machine, Left Handle	59	105	211	Pre-cleaning sample.
110	03/24/2021 10:48 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Door Handle to Fitness Center*	367	105	211	Pre-cleaning sample. Hallway side of the door.
111	03/24/2021 10:48 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Door Handle to Hallway	102	105	211	Pre-cleaning sample. Fitness Center side of the door.
112	03/24/2021 10:54 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Paramount Lat Pull Down Machine, Right Handle	16	105	211	Test No. 102 post-cleaning sample.
113	03/24/2021 10:55 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of 30lb Pre-Set Jagged Bar	15	105	211	Test No. 104 post-cleaning sample.
114	03/24/2021 10:55 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Right Bench	101	105	211	Test No. 105 post-cleaning sample.
115	03/24/2021 10:57 AM	Wellness Entertainment Center (WEC)	2 <sup>nd</sup> Floor Fitness Center	Surface of Door Handle to Fitness Center	9	105	211	Test No. 110 post-cleaning sample. Hallway side of the door.
116	03/24/2021 01:25 PM	Weston Hall	Room 556	Surface of Table 1	16	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
117	03/24/2021 01:25 PM	Weston Hall	Room 556	Surface of Table 2	21	105	211	
118	03/24/2021 01:26 PM	Weston Hall	Room 556	Surface of Table 3	92	105	211	
119	03/24/2021 01:27 PM	Weston Hall	Room 556	Surface of Table 4	34	105	211	
120	03/24/2021 01:27 PM	Weston Hall	Room 556	Surface of Table 5, Seat 2*	215	105	211	SARS-CoV-2 sample collected.
121	03/24/2021 01:27 PM	Weston Hall	Room 556	Surface of Table 5, Seat 3	53	105	211	
122	03/24/2021 01:28 PM	Weston Hall	Room 556	Surface of Table 5, Seat 5	79	105	211	
123	03/24/2021 01:29 PM	Weston Hall	Room 556	Surface of Table 6	42	105	211	
124	03/24/2021 01:29 PM	Weston Hall	Room 556	Surface of Table 7	20	105	211	
125	03/24/2021 01:29 PM	Weston Hall	Room 556	Surface of Table 8	14	105	211	
126	03/24/2021 01:30 PM	Weston Hall	Room 556	Surface of Table 9	7	105	211	
127	03/24/2021 01:31 PM	Weston Hall	Room 556	Surface of Table 10	12	105	211	
128	03/24/2021 01:31 PM	Weston Hall	Room 556	Surface of Table 11	10	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
129	03/24/2021 01:32 PM	Weston Hall	Room 556	Surface of Table 12	13	105	211	
130	03/24/2021 01:43 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Table 1	6	105	211	
131	03/24/2021 01:44 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Table 3	24	105	211	
132	03/24/2021 01:44 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Table 5	2	105	211	
133	03/24/2021 01:45 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Table 7	31	105	211	
134	03/24/2021 01:45 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Table 9	87	105	211	
135	03/24/2021 01:46 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Table 11	19	105	211	
136	03/24/2021 01:46 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Table 13	35	105	211	
137	03/24/2021 01:47 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Table 15	78	105	211	
138	03/24/2021 01:47 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Window Bench, Seat 1	11	105	211	
139	03/24/2021 01:48 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Window Bench, Seat 4	6	105	211	
140	03/24/2021 01:48 PM	Weston Hall	4 <sup>th</sup> Floor Library	Surface of Window Bench, Seat 8	11	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
141	03/24/2021 01:55 PM	Weston Hall	340-350	Surface of Conference Table, Seat 1	10	105	211	
142	03/24/2021 01:56 PM	Weston Hall	340-350	Surface of Conference Table, Seat 2	5	105	211	
143	03/24/2021 01:56 PM	Weston Hall	340-350	Surface of Conference Table, Seat 3	4	105	211	
144	03/24/2021 01:57 PM	Weston Hall	340-350	Surface of Conference Table, Seat 4	1	105	211	
145	03/24/2021 01:57 PM	Weston Hall	340-350	Surface of Conference Table, Seat 5	5	105	211	
146	03/24/2021 01:57 PM	Weston Hall	340-350	Surface of Conference Table, Seat 6	3	105	211	
147	03/24/2021 01:58 PM	Weston Hall	340-350	Surface of Conference Table, Seat 7	5	105	211	
148	03/24/2021 01:58 PM	Weston Hall	340-350	Surface of Conference Table, Seat 8	7	105	211	
149	03/24/2021 01:59 PM	Weston Hall	340-350	Surface of Conference Table, Seat 9	1	105	211	
150	03/24/2021 01:59 PM	Weston Hall	340-350	Surface of Conference Table, Seat 10	6	105	211	
151	03/24/2021 02:11 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 1	62	105	211	
152	03/24/2021 02:12 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 2	80	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
153	03/24/2021 02:12 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 3	44	105	211	
154	03/24/2021 02:13 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 5	48	105	211	
155	03/24/2021 02:13 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 7	50	105	211	
156	03/24/2021 02:13 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 8	56	105	211	
157	03/24/2021 02:14 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 10	107	105	211	
158	03/24/2021 02:14 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 11	25	105	211	
159	03/24/2021 02:15 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 13	100	105	211	
160	03/24/2021 02:15 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 14	70	105	211	
161	03/24/2021 02:16 PM	Kupfrian Hall	Basement Sitting Area	Surface of Table 16	46	105	211	

90	03/17/2021 08:43 AM	Honors College Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor “Up” Elevator Call Button, Down	56	105	211	Elevator Lobby Room 111 side of the building.
91	03/17/2021 08:44 AM	Honors College Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor “Up” Elevator Call Button, Down*	213	105	211	Elevator Lobby Room 111 side of the building. SARS- CoV-2 sample collected.
92	03/17/2021 08:44 AM	Honors College Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor “Up” Elevator Call Button, Down	67	105	211	Elevator Lobby Room 111 side of the building.
93	03/17/2021 08:45 AM	Honors College Residential Hall	6 <sup>th</sup> Floor Hallway	6 <sup>th</sup> Floor “Up” Elevator Call Button, Down	41	105	211	Elevator Lobby Room 111 side of the building.
94	03/17/2021 08:46 AM	Honors College Residential Hall	2 <sup>nd</sup> Floor Hallway	2 <sup>nd</sup> Floor “Down” Elevator Call Button, Down	53	105	211	Elevator Lobby Room 105 side of the building.
95	03/17/2021 08:46 AM	Honors College Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor “Down” Elevator Call Button, Down	170	105	211	Elevator Lobby Room 105 side of the building.
96	03/17/2021 08:47 AM	Honors College Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor “Down” Elevator Call Button, Down*	232	105	211	Elevator Lobby Room 105 side of the building. SARS- CoV-2 sample collected.
97	03/17/2021 08:47 AM	Honors College Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor “Down” Elevator Call Button, Down	122	105	211	Elevator Lobby Room 105 side of the building.
98	03/17/2021 08:48 AM	Honors College Residential Hall	6 <sup>th</sup> Floor Hallway	6 <sup>th</sup> Floor “Down” Elevator Call Button, Down	106	105	211	Elevator Lobby Room 105 side of the building.
99	03/17/2021 10:07 AM	Tiernan Hall	150B	Surface of Faucet Handle*	333	105	211	SARS-CoV-2 sample collected.
100	03/17/2021 10:08 AM	Tiernan Hall	150B	Surface of Microwave, Door Push Button*	2,917	105	211	SARS-CoV-2 sample collected.

101	03/17/2021 10:08 AM	Tiernan Hall	150B	Surface of Copy Machine, Start Button	61	105	211	
102	03/17/2021 10:09 AM	Tiernan Hall	150B	Surface of Light Switch	13	105	211	
103	03/17/2021 10:09 AM	Tiernan Hall	150D	Surface of Conference Table, Seat 1	10	105	211	
104	03/17/2021 10:10 AM	Tiernan Hall	150D	Surface of Conference Table, Seat 3	8	105	211	
105	03/17/2021 10:11 AM	Tiernan Hall	150D	Surface of Conference Table, Seat 5	31	105	211	
106	03/17/2021 10:11 AM	Tiernan Hall	150D	Surface of Conference Table, Seat 7	43	105	211	
107	03/17/2021 10:12 AM	Tiernan Hall	150D	Surface of Conference Table, Seat 9	59	105	211	
108	03/17/2021 10:12 AM	Tiernan Hall	150D	Surface of Conference Table, Seat 11	21	105	211	
109	03/17/2021 10:13 AM	Tiernan Hall	150	Surface of Door Handle to Hallway	113	105	211	Office side of the door. SARS-CoV-2 sample collected.
110	03/17/2021 10:37 AM	Tiernan Hall	B-007A	Surface of Worktable, Seat 1	3	105	211	
111	03/17/2021 10:37 AM	Tiernan Hall	B-007A	Surface of Worktable, Seat 2	5	105	211	
112	03/17/2021 10:38 AM	Tiernan Hall	B-007A	Surface of Worktable, Seat 3	3	105	211	
113	03/17/2021 10:38 AM	Tiernan Hall	B-007A	Surface of Worktable, Seat 4	4	105	211	
114	03/17/2021 10:39 AM	Tiernan Hall	B-007A	Surface of Left Faucet, Cold Knob	78	105	211	SARS-CoV-2 sample collected.
115	03/17/2021 10:39 AM	Tiernan Hall	B-007A	Surface of Black Microwave, Door Push Button	1	105	211	
116	03/17/2021 10:40 AM	Tiernan Hall	B-007A	Surface of Fume Hood Glass Barrier, Right Handle	21	105	211	
117	03/17/2021 10:40 AM	Tiernan Hall	B-007A	Surface of Fume Hood, Acid Storage, Right Handle	7	105	211	Underneath the fume hood.
118	03/17/2021 10:41 AM	Tiernan Hall	B-007A	Surface of Fume Hood Flammable Storage, Left Handle	36	105	211	Underneath the fume hood. SARS-CoV-2 sample collected.



119	03/17/2021 10:41 AM	Tiernan Hall	B-007A	Surface of Flammable Liquid Storage Cabinet 2	116	105	211	Second cabinet from the left. SARS-CoV-2 sample collected.
120	03/17/2021 10:42 AM	Tiernan Hall	B-007A	Surface of Flammable Liquid Storage Cabinet 3	5	105	211	Third cabinet from the left.
121	03/17/2021 10:42 AM	Tiernan Hall	B-007A	Surface of Acid Storage Cabinet	11	105	211	
122	03/17/2021 11:04 AM	Tiernan Hall	B-007D	Surface of Computer 1, Mouse	51	105	211	
123	03/17/2021 11:05 AM	Tiernan Hall	B-007D	Surface of Computer 2, Keyboard	70	105	211	
124	03/17/2021 11:05 AM	Tiernan Hall	B-007D	Surface of Computer 3, Mouse	71	105	211	
125	03/17/2021 11:06 AM	Tiernan Hall	B-007D	Surface of Table 2, Seat 2	77	105	211	SARS-CoV-2 sample collected.
126	03/17/2021 11:06 AM	Tiernan Hall	B-007D	Surface of Table 3, Seat 1	16	105	211	
127	03/17/2021 11:07 AM	Tiernan Hall	B-007D	Surface of Table 4, Seat 2	68	105	211	SARS-CoV-2 sample collected.
128	03/17/2021 11:08 AM	Tiernan Hall	B-007D	Surface of Table 5, Seat 1	49	105	211	
129	03/17/2021 11:08 AM	Tiernan Hall	B-007D	Surface of Table 6, Seat 2	3	105	211	
130	03/17/2021 11:09 AM	Tiernan Hall	B-007D	Surface of Table 7, Seat 1	9	105	211	
131	03/17/2021 11:09 AM	Tiernan Hall	B-007D	Surface of H2O Upper-Pressure Nozzle	98	105	211	SARS-CoV-2 sample collected.
132	03/17/2021 11:10 AM	Tiernan Hall	B-007D	Surface of Sanitation Station 1	74	105	211	SARS-CoV-2 sample collected.
133	03/17/2021 11:10 AM	Tiernan Hall	B-007D	Surface of Sanitation Station 2	4	105	211	
134	03/17/2021 11:11 AM	Tiernan Hall	B-007D	Surface of Sanitation Station 3	5	105	211	
135	03/17/2021 11:11 AM	Tiernan Hall	B-007D	Surface of Sanitation Station 4	7	105	211	
136	03/17/2021 11:12 AM	Tiernan Hall	B-007D	Surface of Sanitation Station 5	9	105	211	
137	03/17/2021 11:12 AM	Tiernan Hall	B-007D	Surface of Sanitation Station 6	15	105	211	

138	03/17/2021 11:13 AM	Tiernan Hall	B-007D	Surface of Sanitation Station 7	10	105	211	
139	03/17/2021 11:13 AM	Tiernan Hall	B-007D	Surface of Sanitation Station 8	28	105	211	SARS-CoV-2 sample collected.
140	03/17/2021 12:39 PM	Redwood Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator 1 Call Button, Down	94	105	211	
141	03/17/2021 12:40 PM	Redwood Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator 2 Call Button, Down	121	105	211	
142	03/17/2021 12:40 PM	Redwood Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator 1 Call Button, Down	0	105	211	
143	03/17/2021 12:41 PM	Redwood Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator 2 Call Button, Down	13	105	211	
144	03/17/2021 12:41 PM	Redwood Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator 1 Call Button, Down	58	105	211	
145	03/17/2021 12:42 PM	Redwood Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator 2 Call Button, Down	33	105	211	
146	03/17/2021 12:48 PM	Cypress Residential Hall	2 <sup>nd</sup> Floor Hallway	2 <sup>nd</sup> Floor Elevator Call Button, Down	91	105	211	
147	03/17/2021 12:49 PM	Cypress Residential Hall	3 <sup>rd</sup> Floor Hallway	3 <sup>rd</sup> Floor Elevator Call Button, Down	34	105	211	
148	03/17/2021 12:50 PM	Cypress Residential Hall	4 <sup>th</sup> Floor Hallway	4 <sup>th</sup> Floor Elevator Call Button, Down*	213	105	211	SARS-CoV-2 sample collected.
149	03/17/2021 12:50 PM	Cypress Residential Hall	5 <sup>th</sup> Floor Hallway	5 <sup>th</sup> Floor Elevator Call Button, Down	26	105	211	
150	03/17/2021 12:51 PM	Cypress Residential Hall	6 <sup>th</sup> Floor Hallway	6 <sup>th</sup> Floor Elevator Call Button, Down	34	105	211	
151	03/17/2021 12:51 PM	Cypress Residential Hall	7 <sup>th</sup> Floor Hallway	7 <sup>th</sup> Floor Elevator Call Button, Down	45	105	211	

152	03/17/2021 12:52 PM	Cypress Residential Hall	8 <sup>th</sup> Floor Hallway	8 <sup>th</sup> Floor Elevator Call Button, Down*	326	105	211	SARS-CoV-2 sample collected.
153	03/17/2021 01:03 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Window Bench, Seat 1	8	105	211	
154	03/17/2021 01:04 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Window Bench, Seat 3	18	105	211	
155	03/17/2021 01:05 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Window Bench, Seat 5	105	105	211	
156	03/17/2021 01:05 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Table 1, Seat 1	106	105	211	
157	03/17/2021 01:06 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Table 1, Seat 2	124	105	211	
158	03/17/2021 01:06 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Table 2, Seat 1	27	105	211	
159	03/17/2021 01:07 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Table 2, Seat 2	56	105	211	
160	03/17/2021 01:08 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Round Table 1	24	105	211	
161	03/17/2021 01:08 PM	Central King Building (CKB)	3 <sup>rd</sup> Floor Lounge	Surface of Round Table 2	151	105	211	

### **Field Notes**

- Row A or 1 is the row closest to the Instructor.
- Seat numbering starts on the left side of the room, from the perspective of the Instructor.
- All directions and labels are from the perspective of the Instructor, looking towards the seats.
- Only surfaces with elevated or critical pre-cleaning ATP concentrations were tested post-cleaning.

### **Data Interpretation:**

- 17-out-of-161 representative ATP surface samples collected reported elevated ATP levels (10.6% of samples). 1-out-of the 17 samples with elevated ATP levels were pre-cleaning samples. Meaning they were collected before the area was cleaned by NJIT building services.
- In the Wellness Entertainment Center, the average pre-cleaning ATP concentration with 154 RLU, with 10% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration with 35 RLU, representing a 77% reduction in ATP concentrations.
- Omega Environmental Services collected SARS-CoV-2 surface samples on all representative surfaces with elevated ATP levels.

**Surface SARS-CoV-2 Swab Data: 3/23 - 3/24/2021**

<b>Sample No.</b>	<b>SARS-CoV-2 Swab Sample Locations</b>	<b>Result (Positive/Negative)</b>
1	Laurel Residential Hall, 2 <sup>nd</sup> Floor Elevator Call Button, Down	Negative
2	Laurel Residential Hall, 4 <sup>th</sup> Floor Elevator Call Button, Down	Negative
3	Laurel (Extension) Residential Hall, 4 <sup>th</sup> Floor Elevator Call Button, Down	Negative
4	Honors College Residential Hall, 5 <sup>th</sup> Floor "Up" Elevator Call Button, Down	Negative
5	Honors College Residential Hall, 3 <sup>rd</sup> Floor "Down" Elevator Call Button, Down	Negative
6	Houten Library, 1 <sup>st</sup> Floor Sitting Area, Computer CA-1047-032, Keyboard	Negative
7	Houten Library, 1 <sup>st</sup> Floor Sitting Area, Computer CA-1047-036, Mouse	Negative
8	Cypress Residential Hall, 3 <sup>rd</sup> Floor Elevator Call Button, Down	Negative
9	Cypress Residential Hall, 5 <sup>th</sup> Floor Elevator Call Button, Down	Negative
10	Cypress Residential Hall, 7 <sup>th</sup> Floor Elevator Call Button, Down	Negative
11	Life Sciences & Engineering Center (LSEC), 1 <sup>st</sup> Floor Sitting Area (Room 102), Surface of Table 6	Negative
12	Campus Center, 1 <sup>st</sup> Floor Sitting Area, Surface of ATM, Keypad	Negative
13	Campus Center, 1 <sup>st</sup> Floor Sitting Area, Food Vending Machine, Touch Screen	Negative
14	Campus Center, 1 <sup>st</sup> Floor Sitting Area, Amazon Locker, Keypad	Negative
15	Campus Center, 1 <sup>st</sup> Floor Sitting Area, Table 5, Seat 1	Negative
16	Campus Center, 1 <sup>st</sup> Floor Sitting Area, Table 6, Seat 1	Negative
17	Weston Hall, Room 556, Surface of Table 5, Seat 2	Negative

**SARS-CoV-2 Air Sample Data: 3/23 - 3/24/2021**

<b>Sample No.</b>	<b>SARS-CoV-2 Air Sample Locations</b>	<b>Result (Positive/Negative)</b>
1	Honors College Residential Hall, 1 <sup>st</sup> Floor Lobby	Negative
2	Laurel Residential Hall, Vestibule	Negative
3	Laurel (Extension) Residential Hall, 1 <sup>st</sup> Floor Hallway, Next to the Elevator	Negative
4	Oak Residential Hall, Vestibule	Negative
5	Wellness Entertainment Center (WEC), 2 <sup>nd</sup> Floor Fitness Center	Negative
6	Cypress Residential Hall, 1 <sup>st</sup> Floor Lobby	Negative
7	Redwood Residential Hall, 1 <sup>st</sup> Floor Lobby	Negative
8	Houten Library, 1 <sup>st</sup> Floor Sitting Area	Negative
9	Life Sciences & Engineering Center (LSEC), 1 <sup>st</sup> Floor Sitting Area (Room 102)	Negative
10	Campus Center, 1 <sup>st</sup> Floor Sitting Area	Negative
11	Central King Building (CKB), Ground Floor Tutoring Center	Negative
12	Central King Building (CKB), 3 <sup>rd</sup> Floor Lounge	Negative
13	Kupfrian Hall, Basement Sitting Area	Negative
14	Weston Hall, Room 340-350, Office of the Dean/Graduate Admissions	Negative
15	Weston Hall, 4 <sup>th</sup> Floor Library	Negative
16	Weston Hall, Room 556	Negative

**Data Interpretation:**

- Laboratory results indicate all the SARS-CoV-2 air samples collected on 3/23 and 3/24/2021 were negative.

Attachments:

*Laboratory analysis reports with chain-of-custody*

# Prestige EnviroMicrobiology, Inc.

## Analytical Test Report

Client: Omega Environmental Services, Inc., 280 Huyler Street, South Hackensack, NJ 07606

Client Project/Name: 21-1040

Sample date: 3-23-2021

Submittal date: 3-23-2021

Sample received: 3-24-2021

Samples submitted by: Ross Hernandez

Date analysis completed: March 25, 2021

Prestige Report number: 210324-03

RT-PCR 2019-nCoV:

Presence/Non-Detected Analysis of Air samples for SARS-CoV-2 Genetic Markers

Prestige # Client sample ID Location	2019-nCoV (N1 Protein)	Cycle Threshold (Ct) Value <sup>3</sup> (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value <sup>3</sup> (N2 Protein)	Presence/ Non- Detected
210324-03-008 01 Honors College Hall, Lobby	ND	ND	ND	ND	Non-Detected
210324-03-009 02 Laurel Hall, Vestibule	ND	ND	ND	ND	Non-Detected
210324-03-010 03 Laurel (Ext) Hall, 1 <sup>st</sup> Floor Hallway, Near the Elevator	ND	ND	ND	ND	Non-Detected
210324-03-011 04 Oak Hall, Vestibule	ND	ND	ND	ND	Non-Detected
210324-03-012 05 WEC, 2 <sup>nd</sup> Floor Fitness Center	ND	ND	ND	ND	Non-Detected
210324-03-013 06 Cypress Hall, 1 <sup>st</sup> Floor Lobby	ND	ND	ND	ND	Non-Detected
210324-03-014 07 Redwood Hall, 1 <sup>st</sup> Floor Lobby	ND	ND	ND	ND	Non-Detected
210324-03-015 08 Houten Library, 1 <sup>st</sup> Floor Sitting Area	ND	ND	ND	ND	Non-Detected

RT-PCR 2019-nCoV:



*Prestige EnviroMicrobiology, Inc.*

Presence/Non-detection Analysis of Swab samples for the SARS-CoV-2 Genetic Markers

Prestige # Client sample ID Location	2019-nCoV (N1 Protein)	Cycle Threshold (Ct) Value <sup>3</sup> (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value <sup>3</sup> (N2 Protein)	Presence/ Non- Detected
210324-03-016 01 Laurel Hall, 2 <sup>nd</sup> Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210324-03-017 02 Laurel Hall, 4 <sup>th</sup> Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210324-03-018 03 Laurel (Ext) Hall, 4 <sup>th</sup> Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210324-03-019 04 Honors College Hall, 5 <sup>th</sup> Floor “Up” Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210324-03-020 05 Honors College Hall, 3 <sup>rd</sup> Floor “Down” Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210324-03-021 06 Houten Library, 1 <sup>st</sup> Floor Sitting Area, Computer CA1047-032, Keyboard	ND	ND	ND	ND	Non-Detected
210324-03-022 07 Houten Library, 1 <sup>st</sup> Floor Sitting Area, Computer CA1047-036, Mouse	ND	ND	ND	ND	Non-Detected
210324-03-023 08 Cypress Hall, 3 <sup>rd</sup> Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210324-03-024 09 Cypress Hall, 5 <sup>th</sup> Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210324-03-025 10 Cypress Hall, 7 <sup>th</sup> Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected

*Prestige EnviroMicrobiology, Inc.*

Report approved:



Theresa Lehman, MPH, Lab Director

Technical Manager: \_\_\_\_\_



Chin S Yang, Ph.D.

Analyst: Ching-Yi Tsai, Ph.D.

1. The samples in this report were received in good, acceptable conditions. Results relate only to the items tested.
2. The primers and probes in 2019-nCoV CDC EUA Kit are designed for the detection of the two SARS-CoV-2 genes that encode for the N1 and N2 proteins. The kit is manufactured and supplied by Integrated DNA Technologies and approved by the U.S. Centers for Disease Control and Prevention (CDC). Three controls, two positive controls for N proteins and one internal control for the RNA extraction process, are simultaneously run with the samples.
3. Cycle Threshold Value refers to the number of cycles required for the fluorescent signal to cross the detectable threshold in Reverse Transcriptase Polymerase Chain Reaction (RT-PCR); a lower cycle threshold value indicates a higher viral load. 4. ND = not detected, no genetic marker is detected within 40 PCR cycles. NA = not applicable. The detection limit is 10 copies/reaction.
5. Sampling reference: Rahmani, A. R., M. Leili, G. Azarian, A. Poormohammadi. 2020. Sampling and detection of corona viruses in air: A mini review. Science of the Total Environment. <https://doi.org/10.1016/j.scitotenv.2020.140207>

# *Prestige EnviroMicrobiology, Inc.*

## **Analytical Test Report**

Client: Omega Environmental Services, Inc., 280 Huyler Street, South Hackensack, NJ 07606

Client Project/Name: 21-1040

Sample date: 3-24-2021

Submittal date: 3-24-2021

Sample received: 3-25-2021

Samples submitted by: Ross Hernandez

Date analysis completed: March 26, 2021

Prestige Report number: 210325-04

RT-PCR 2019-nCoV:

Presence/Non-Detected Analysis of Air samples for SARS-CoV-2 Genetic Markers

Prestige # Client sample ID Location	2019-nCoV (N1 Protein)	Cycle Threshold (Ct) Value <sup>3</sup> (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value <sup>3</sup> (N2 Protein)	Presence/ Non- Detected
210325-04-025 09 LSEC, Ground Floor Sitting area, Room 102	ND	ND	ND	ND	Non-Detected
210325-04-026 10 Campus Center, 1 <sup>st</sup> Floor Sitting Area	ND	ND	ND	ND	Non-Detected
210325-04-027 11 CKB, Tutoring Center	ND	ND	ND	ND	Non-Detected
210325-04-028 12 CKB, 3 <sup>rd</sup> Floor Lounge	ND	ND	ND	ND	Non-Detected
210325-04-029 13 Kupfrian Hall, Basement Sitting Area	ND	ND	ND	ND	Non-Detected
210325-04-030 14 Weston Hall, 340-350, Office of the Dean/Graduate Admissions	ND	ND	ND	ND	Non-Detected
210325-04-031 15 Weston Hall, 4 <sup>th</sup> Floor Library	ND	ND	ND	ND	Non-Detected
210325-04-032 16 Weston Hall, Room 556	ND	ND	ND	ND	Non-Detected

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RT-PCR 2019-nCoV:

Presence/Non-detection Analysis of Swab samples for the SARS-CoV-2 Genetic Markers

Prestige # Client sample ID Location	2019-nCoV (N1 Protein)	Cycle Threshold (Ct) Value <sup>3</sup> (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value <sup>3</sup> (N2 Protein)	Presence/ Non- Detected
210325-04-033 11 LSEC, Ground Floor Sitting Area, Surface of Table 6	ND	ND	ND	ND	Non-Detected
210325-04-034 12 Campus Center, 1 <sup>st</sup> Floor Sitting Area, Surface of ATM, Keyboard	ND	ND	ND	ND	Non-Detected
210325-04-035 13 Campus Center, 1 <sup>st</sup> Floor Sitting Area, Snack Vending Machine, Touch Screen	ND	ND	ND	ND	Non-Detected
210325-04-036 14 Campus Center, 1 <sup>st</sup> Floor Sitting Area, Amazon Locker, Keyboard	ND	ND	ND	ND	Non-Detected
210325-04-037 15 Campus Center, 1 <sup>st</sup> Floor Sitting Area, Table 5, Seat 1	ND	ND	ND	ND	Non-Detected
210325-04-038 16 Campus Center, 1 <sup>st</sup> Floor Sitting Area, Table 6, Seat 1	ND	ND	ND	ND	Non-Detected
210325-04-039 17 Weston Hall, Room 556, Surface of Table 5, Seat 2	ND	ND	ND	ND	Non-Detected

Report approved:



Theresa Lehman, MPH, Lab Director

Technical Manager: \_\_\_\_\_



Chin S Yang, Ph.D.

Analyst: Ching-Yi Tsai, Ph.D.

1. The samples in this report were received in good, acceptable conditions. Results relate only to the items tested.

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2. The primers and probes in 2019-nCoV CDC EUA Kit are designed for the detection of the two SARS-CoV-2 genes that encode for the N1 and N2 proteins. The kit is manufactured and supplied by Integrated DNA Technologies and approved by the U.S.

Centers for Disease Control and Prevention (CDC). Three controls, two positive controls for N proteins and one internal control for the RNA extraction process, are simultaneously run with the samples.

3. Cycle Threshold Value refers to the number of cycles required for the fluorescent signal to cross the detectable threshold in Reverse Transcriptase Polymerase Chain Reaction (RT-PCR); a lower cycle threshold value indicates a higher viral load. 4. ND = not detected, no genetic marker is detected within 40 PCR cycles. NA = not applicable. The detection limit is 10 copies/reaction.

5. Sampling reference: Rahmani, A. R., M. Leili, G. Azarian, A. Poormohammadi. 2020. Sampling and detection of corona viruses in air: A mini review. Science of the Total Environment.

<https://doi.org/10.1016/j.scitotenv.2020.140207>