



POST-DISINFECTION CORONAVIRUS-19 FIELD VERIFICATION TESTING REPORT

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: 2/23- 2/24/2021

DATE OF REPORT: 2/26/2021

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{Omega Project#: 21-1040}

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Executive Summary:

On 2/23/2021 and 2/24/2021, 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
- Houten Library
- Mechanical Engineering Center (MEC)
- Cullimore Hall
- Kupfrian Hall
- Tiernan Hall
- Central King Building (CKB)
- Life Sciences & Engineering Center (LSEC)
- Laurel Residence Hall
- Honors College Residence Hall
- Redwood Residence Hall
- Wellness Entertainment Center (WEC)
- Cypress Residence Hall
- Guttenberg Information Technologies Center (GITC)

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

Parameter	Results
<p style="text-align: center;">Adenosine Triphosphate (ATP) Direct Reads: Bioluminescence Meter (Detects Bacteria and Bio-Load)</p>	<ul style="list-style-type: none"> • 37-out-of-220 representative ATP surface samples collected reported elevated ATP levels (16.8% of samples). 4-out-of-the 37 samples with elevated ATP levels were pre-cleaning samples meaning they were collected before the area was cleaned by NJIT cleaning services. • Omega Environmental Services collected SARS-CoV-2 surface samples on 32-out-of-33 representative surfaces with elevated ATP levels, that were not re-cleaned by NJIT Building Services. • In the Wellness Entertainment Center, the average pre-cleaning ATP concentration with 200 RLU, with 30% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration with 122.3 RLU, with a 39% decrease in ATP concentrations.
<p style="text-align: center;">Coronavirus-19 PCR Samples</p>	<ul style="list-style-type: none"> • Laboratory results indicate all the SARS-CoV-2 air samples collected on 2/23/21 and 2/24/21 were negative. • Laboratory results indicate the presence of the SARS-CoV-2 virus on 1-out-of-32 surfaces tested. The location of the positive sample is Redwood Residential Hall, 3rd Floor Men's Bathroom, Stall 1, Door Lock. Upon receiving the results, Omega contacted the NJIT EH&S department to recommend that the NJIT cleaning staff place an emphasis on cleaning and sanitizing the common areas within Redwood, the Isolation Dorm. Omega also recommended NJIT reiterate the importance of wearing the appropriate PPE while performing custodial tasks in Redwood.

Bio-Load and COVID-19 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 μm 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	02/23/2021 09:25 AM	Weston Hall	563	Surface of Table 1, Seat 3	65	105	211	
2	02/23/2021 09:26 AM	Weston Hall	563	Surface of Table 1, Seat 3, Computer Keyboard	46	105	211	
3	02/23/2021 09:26 AM	Weston Hall	563	Surface of Table 2, Seat 3	130	105	211	
4	02/23/2021 09:27 AM	Weston Hall	563	Surface of Table 2, Seat 3, Keyboard	87	105	211	
5	02/23/2021 09:27 AM	Weston Hall	563	Surface of Table 3, Seat 4	163	105	211	
6	02/23/2021 09:28 AM	Weston Hall	563	Surface of Table 3, Seat 4, Mouse	67	105	211	
7	02/23/2021 09:29 AM	Weston Hall	563	Surface of Table 3, Seat 6	76	105	211	
8	02/23/2021 09:29 AM	Weston Hall	563	Surface of Table 7, Seat 4,	118	105	211	
9	02/23/2021 09:30 AM	Weston Hall	563	Surface of Table 7, Seat 4, Keyboard*	292	105	211	SARS-CoV-2 sample collected.
10	02/23/2021 09:31 AM	Weston Hall	563	Surface of Table 8, Seat 3	31	105	211	
11	02/23/2021 09:31 AM	Weston Hall	563	Surface of Table 8, Seat 3, Keyboard	80	105	211	
12	02/23/2021 09:32 AM	Weston Hall	563	Surface of Table 9, Seat 4	172	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
13	02/23/2021 09:32 AM	Weston Hall	563	Surface of Table 9, Seat 4, Keyboard	113	105	211	
14	02/23/2021 09:33 AM	Weston Hall	563	Surface of Table 9, Seat 6*	244	105	211	SARS-CoV-2 sample collected.
15	02/23/2021 09:33 AM	Weston Hall	563	Surface of Table 9, Seat 6, Keyboard	194	105	211	
16	02/23/2021 09:34 AM	Weston Hall	563	Surface of Table 10, Seat 1	95	105	211	
17	02/23/2021 09:34 AM	Weston Hall	563	Surface of Table 10, Seat 1, Keyboard	173	105	211	
18	02/23/2021 09:35 AM	Weston Hall	563	Surface of Table 10, Seat 3*	770	105	211	SARS-CoV-2 sample collected.
19	02/23/2021 09:35 AM	Weston Hall	563	Surface of Table 10, Seat 3, Keyboard	133	105	211	
20	02/23/2021 09:52 AM	Campus Center	1 st Floor Sitting Area	Surface of ATM, Keypad	68	105	211	
21	02/23/2021 09:53 AM	Campus Center	1 st Floor Sitting Area	Snack Vending Machine, Touch Screen	101	105	211	
22	02/23/2021 09:53 AM	Campus Center	1 st Floor Sitting Area	Drink Vending Machine, Keypad	149	105	211	
23	02/23/2021 09:54 AM	Campus Center	1 st Floor Sitting Area	Amazon Locker, Keypad	153	105	211	
24	02/23/2021 09:55 AM	Campus Center	1 st Floor Sitting Area	Surface of Table 1	72	105	211	
25	02/23/2021 09:55 AM	Campus Center	1 st Floor Sitting Area	Surface of Table 3, Seat 1	86	105	211	
26	02/23/2021 09:56 AM	Campus Center	1 st Floor Sitting Area	Surface of Table 3, Seat 3	93	105	211	
27	02/23/2021 09:56 AM	Campus Center	1 st Floor Sitting Area	Surface of Table 5, Seat 2	21	105	211	
28	02/23/2021 09:57 AM	Campus Center	1 st Floor Sitting Area	Surface of Table 5, Seat 3	85	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
29	02/23/2021 09:58 AM	Campus Center	1 st Floor Sitting Area	Surface of Table 6, Seat 2*	229	105	211	SARS-CoV-2 sample collected.
30	02/23/2021 09:58 AM	Campus Center	1 st Floor Sitting Area	Surface of Table 7, Seat 1	122	105	211	
31	02/23/2021 09:59 AM	Campus Center	1 st Floor Sitting Area	Door Handle to Senate Office, Room 110C	147	105	211	Campus Center side of the door.
32	02/23/2021 09:59 AM	Campus Center	1 st Floor Sitting Area	Door Handle to GSA Office, Room 110A	151	105	211	Campus Center side of the door.
33	02/23/2021 10:23 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-003, Keyboard	71	105	211	
34	02/23/2021 10:24 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-005, Mouse	40	105	211	
35	02/23/2021 10:25 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-007, Keyboard	44	105	211	
36	02/23/2021 10:27 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-014, Mouse	47	105	211	
37	02/23/2021 10:27 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-016, Keyboard	6	105	211	
38	02/23/2021 10:29 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-018, Mouse	25	105	211	
39	02/23/2021 10:30 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-020, Keyboard*	237	105	211	SARS-CoV-2 sample collected.
40	02/23/2021 10:30 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-023, Mouse	40	105	211	
41	02/23/2021 10:31 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-025, Keyboard	123	105	211	
42	02/23/2021 10:31 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-027, Mouse	20	105	211	
43	02/23/2021 10:32 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-029, Keyboard	56	105	211	
44	02/23/2021 10:32 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-034, Mouse	14	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
45	02/23/2021 10:33 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-039, Keyboard	21	105	211	
46	02/23/2021 10:33 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-045, Mouse	36	105	211	
47	02/23/2021 10:34 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-047, Keyboard	17	105	211	
48	02/23/2021 10:34 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-048, Mouse	129	105	211	
49	02/23/2021 10:35 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-050, Keyboard	163	105	211	
50	02/23/2021 10:35 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-056, Mouse	151	105	211	
51	02/23/2021 10:36 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-060, Keyboard	47	105	211	
52	02/23/2021 10:36 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-063, Mouse	171	105	211	
53	02/23/2021 10:36 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-065, Keyboard	128	105	211	
54	02/23/2021 10:37 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-066, Mouse*	290	105	211	Could not sample due to student presence.
55	02/23/2021 10:38 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-072, Keyboard	98	105	211	
56	02/23/2021 10:38 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-074, Keyboard*	254	105	211	SARS-CoV-2 sample collected.
57	02/23/2021 10:51 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 1, Seat 1	30	105	211	
58	02/23/2021 10:52 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 1, Seat 3	79	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
59	02/23/2021 10:52 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 1, Seat 6	12	105	211	
60	02/23/2021 10:53 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 3, Seat 2	64	105	211	
61	02/23/2021 10:53 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 3, Seat 5	23	105	211	
62	02/23/2021 10:54 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 3, Seat 8	25	105	211	
63	02/23/2021 10:54 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 3, Seat 11	68	105	211	
64	02/23/2021 10:55 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 5, Seat 1	75	105	211	
65	02/23/2021 10:55 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 5, Seat 4	28	105	211	
66	02/23/2021 10:56 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 5, Seat 7*	243	105	211	SARS-CoV-2 sample collected.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
67	02/23/2021 10:56 AM	Mechanical Engineering Center (MEC)	221	Surface of Row 5, Seat 10	56	105	211	
68	02/23/2021 10:57 AM	Mechanical Engineering Center (MEC)	221	Door Push Bar to Hallway	5	105	211	To the left of the instructor. Classroom side of the door.
69	02/23/2021 10:57 AM	Mechanical Engineering Center (MEC)	221	Right Light Switch*	627	105	211	To the left of the instructor. SARS-CoV-2 sample collected.
70	02/23/2021 12:44 PM	Cullimore Hall	103	Surface of Row 3, Seat 2	39	105	211	
71	02/23/2021 12:45 PM	Cullimore Hall	103	Surface of Row 3, Seat 5	22	105	211	
72	02/23/2021 12:46 PM	Cullimore Hall	103	Surface of Row 3, Seat 8	38	105	211	
73	02/23/2021 12:47 PM	Cullimore Hall	103	Surface of Row 5, Seat 3	109	105	211	
74	02/23/2021 12:47 PM	Cullimore Hall	103	Surface of Row 5, Seat 6	15	105	211	
75	02/23/2021 12:48 PM	Cullimore Hall	103	Surface of Row 5, Seat 9	12	105	211	
76	02/23/2021 12:48 PM	Cullimore Hall	103	Surface of Row 7, Seat 2	21	105	211	
77	02/23/2021 12:49 PM	Cullimore Hall	103	Surface of Row 7, Seat 5	45	105	211	
78	02/23/2021 12:49 PM	Cullimore Hall	103	Surface of Row 7, Seat 8	32	105	211	
79	02/23/2021 12:50 PM	Cullimore Hall	103	Surface of Row 9, Seat 3	25	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
80	02/23/2021 12:51 PM	Cullimore Hall	103	Surface of Row 9, Seat 6	25	105	211	
81	02/23/2021 12:51 PM	Cullimore Hall	103	Surface of Row 9, Seat 9	17	105	211	
82	02/23/2021 12:52 PM	Cullimore Hall	103	Door Push Bar to Hallway	116	105	211	To the right of the instructor. Classroom side of the door.
83	02/23/2021 12:52 PM	Cullimore Hall	103	Light Switch	39	105	211	To the right of the instructor.
84	02/23/2021 01:02 PM	Kupfrian Hall	104	Surface of Row 1, Seat 1	13	105	211	
85	02/23/2021 01:02 PM	Kupfrian Hall	104	Surface of Row 1, Seat 4	14	105	211	
86	02/23/2021 01:03 PM	Kupfrian Hall	104	Surface of Row 1, Seat 7	32	105	211	
87	02/23/2021 01:03 PM	Kupfrian Hall	104	Surface of Row 1, Seat 10	17	105	211	
88	02/23/2021 01:04 PM	Kupfrian Hall	104	Surface of Row 2, Seat 3	113	105	211	
89	02/23/2021 01:04 PM	Kupfrian Hall	104	Surface of Row 2, Seat 6	69	105	211	
90	02/23/2021 01:05 PM	Kupfrian Hall	104	Surface of Row 2, Seat 9	118	105	211	
91	02/23/2021 01:05 PM	Kupfrian Hall	104	Surface of Row 2, Seat 12	22	105	211	
92	02/23/2021 01:06 PM	Kupfrian Hall	104	Surface of Row 3, Seat 1*	905	105	211	SARS-CoV-2 sample collected.
93	02/23/2021 01:07 PM	Kupfrian Hall	104	Surface of Row 3, Seat 4*	301	105	211	SARS-CoV-2 sample collected.
94	02/23/2021 01:07 PM	Kupfrian Hall	104	Surface of Row 3, Seat 7*	389	105	211	SARS-CoV-2 sample collected.
95	02/23/2021 01:08 PM	Kupfrian Hall	104	Surface of Row 3, Seat 10	62	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
96	02/23/2021 01:08 PM	Kupfrian Hall	104	Surface of Row 4, Seat 3	82	105	211	
97	02/23/2021 01:09 PM	Kupfrian Hall	104	Surface of Row 4, Seat 6*	769	105	211	SARS-CoV-2 sample collected.
98	02/23/2021 01:10 PM	Kupfrian Hall	104	Surface of Row 4, Seat 9*	822	105	211	SARS-CoV-2 sample collected.
99	02/23/2021 01:10 PM	Kupfrian Hall	104	Door Handle to Hallway	164	105	211	Classroom side of the door.
100	02/23/2021 01:11 PM	Kupfrian Hall	104	Left Light Switch	197	105	211	
101	02/23/2021 01:32 PM	Tiernan Hall	114	Surface of Row 2, Seat 1	127	105	211	
102	02/23/2021 01:33 PM	Tiernan Hall	114	Surface of Row 2, Seat 2	74	105	211	
103	02/23/2021 01:33 PM	Tiernan Hall	114	Surface of Row 2, Seat 3	35	105	211	
104	02/23/2021 01:34 PM	Tiernan Hall	114	Surface of Row 2, Seat 4	15	105	211	
105	02/23/2021 01:34 PM	Tiernan Hall	114	Surface of Row 2, Seat 5	26	105	211	
106	02/23/2021 01:35 PM	Tiernan Hall	114	Surface of Row 4, Seat 1	62	105	211	
107	02/23/2021 01:36 PM	Tiernan Hall	114	Surface of Row 4, Seat 2	13	105	211	
108	02/23/2021 01:37 PM	Tiernan Hall	114	Surface of Row 4, Seat 3*	226	105	211	SARS-CoV-2 sample collected.
109	02/23/2021 01:37 PM	Tiernan Hall	114	Surface of Row 4, Seat 4	17	105	211	
110	02/23/2021 01:38 PM	Tiernan Hall	114	Surface of Row 4, Seat 5	49	105	211	
111	02/23/2021 01:38 PM	Tiernan Hall	114	Surface of Row 6, Seat 1	33	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
112	02/23/2021 01:39 PM	Tiernan Hall	114	Surface of Row 6, Seat 2	14	105	211	
113	02/23/2021 01:39 PM	Tiernan Hall	114	Surface of Row 6, Seat 3	23	105	211	
114	02/23/2021 01:40 PM	Tiernan Hall	114	Surface of Row 6, Seat 4*	331	105	211	SARS-CoV-2 sample collected.
115	02/23/2021 01:40 PM	Tiernan Hall	114	Surface of Row 6, Seat 5*	254	105	211	SARS-CoV-2 sample collected.
116	02/23/2021 01:41 PM	Tiernan Hall	114	Door Handle to Hallway	41	105	211	To the right of the instructor. Classroom side of the door.
117	02/23/2021 01:41 PM	Tiernan Hall	114	Right Light Switch	55	105	211	To the right of the instructor.
118	02/23/2021 02:26 PM	Central King Building (CKB)	3rd Floor Lounge	Surface of Window Bench, Seat 1	199	105	211	
119	02/23/2021 02:26 PM	Central King Building (CKB)	3rd Floor Lounge	Surface of Window Bench, Seat 3	148	105	211	
120	02/23/2021 02:27 PM	Central King Building (CKB)	3rd Floor Lounge	Surface of Window Bench, Seat 5*	278	105	211	SARS-CoV-2 sample collected.
121	02/23/2021 02:28 PM	Central King Building (CKB)	3rd Floor Lounge	Surface of Table 1, Seat 2	64	105	211	
122	02/23/2021 02:28 PM	Central King Building (CKB)	3rd Floor Lounge	Surface of Table 2, Seat 2	40	105	211	
123	02/23/2021 02:29 PM	Central King Building (CKB)	3rd Floor Lounge	Surface of Round Table 1	16	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
124	02/23/2021 02:29 PM	Central King Building (CKB)	3 rd Floor Lounge	Surface of Round Table 2	23	105	211	
125	02/23/2021 02:30 PM	Central King Building (CKB)	3 rd Floor Lounge	Door Handle to Room 338A*	255	105	211	Lounge side of the door. SARS-CoV-2 sample collected.
126	02/24/2021 08:48 AM	LSEC	102	Surface of Table 1	73	105	211	
127	02/24/2021 08:49 AM	LSEC	102	Surface of Table 2	16	105	211	
128	02/24/2021 08:49 AM	LSEC	102	Surface of Table 3	22	105	211	
129	02/24/2021 08:50 AM	LSEC	102	Surface of Table 4	59	105	211	
130	02/24/2021 08:50 AM	LSEC	102	Surface of Table 5	10	105	211	
131	02/24/2021 08:51 AM	LSEC	102	Surface of Table 6	136	105	211	
132	02/24/2021 08:51 AM	LSEC	102	Surface of Table 8	64	105	211	
133	02/24/2021 08:52 AM	LSEC	102	Surface of Table 9	65	105	211	
134	02/24/2021 08:53 AM	LSEC	102	Surface of Table 10*	361	105	211	SARS-CoV-2 sample collected.
135	02/24/2021 08:53 AM	LSEC	102	Surface of Table 11	43	105	211	
136	02/24/2021 08:54 AM	LSEC	102	Surface of Table 12	194	105	211	
137	02/24/2021 08:54 AM	LSEC	102	Surface of Table 13	97	105	211	
138	02/24/2021 08:55 AM	LSEC	102	Surface of Table 14	98	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
139	02/24/2021 09:09 AM	Laurel Residence Hall	1 st Floor Lobby	Door Handle to Lobby	67	105	211	Vestibule side of the door.
140	02/24/2021 09:10 AM	Laurel Residence Hall	1 st Floor Lobby	Door Handle to Elevators	195	105	211	Lobby side of the door.
141	02/24/2021 09:10 AM	Laurel Residence Hall	1 st Floor Lobby	Door Handle to Vestibule	86	105	211	Lobby side of the door.
142	02/24/2021 09:11 AM	Laurel Residence Hall	1 st Floor Kitchen	Surface of Microwave Interface*	875	105	211	SARS-CoV-2 sample collected.
143	02/24/2021 09:11 AM	Laurel Residence Hall	1 st Floor Kitchen	Surface of Faucet Handle	91	105	211	
144	02/24/2021 09:12 AM	Laurel Residence Hall	1 st Floor Kitchen	Surface of Refrigerator Handle*	545	105	211	SARS-CoV-2 sample collected.
145	02/24/2021 09:15 AM	Laurel Residence Hall	1 st Floor Hallway	1 st Floor Elevator Call Button, Up	112	105	211	
146	02/24/2021 09:15 AM	Laurel Residence Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button, Down	0	105	211	
147	02/24/2021 09:15 AM	Laurel Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button, Down	39	105	211	
148	02/24/2021 09:16 AM	Laurel Residence Hall	4 th Floor Hallway	4 th Floor Elevator Call Button, Down	43	105	211	
149	02/24/2021 09:17 AM	Laurel Residence Hall	5 th Floor Hallway	5 th Floor Elevator Call Button, Down	126	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
150	02/24/2021 09:17 AM	Laurel (Extension) Residence Hall	1 st Floor Hallway	1 st Floor Elevator Call Button, Up	94	105	211	
151	02/24/2021 09:18 AM	Laurel (Extension) Residence Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button, Down*	231	105	211	SARS-CoV-2 sample collected.
152	02/24/2021 09:18 AM	Laurel (Extension) Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button, Down	156	105	211	
153	02/24/2021 09:19 AM	Laurel (Extension) Residence Hall	4 th Floor Hallway	4 th Floor Elevator Call Button, Down*	235	105	211	SARS-CoV-2 sample collected.
154	02/24/2021 09:20 AM	Laurel (Extension) Residence Hall	5 th Floor Hallway	5 th Floor Elevator Call Button, Down	201	105	211	
155	02/24/2021 09:20 AM	Laurel (Extension) Residence Hall	6 th Floor Hallway	6 th Floor Elevator Call Button, Down*	771	105	211	SARS-CoV-2 sample collected.
156	02/24/2021 09:21 AM	Laurel (Extension) Residence Hall	7 th Floor Hallway	7 th Floor Elevator Call Button, Down*	263	105	211	SARS-CoV-2 sample collected.
157	02/24/2021 09:39 AM	Honors College Residence Hall	1 st Floor Kitchen	Surface of Microwave Handle*	318	105	211	SARS-CoV-2 sample collected.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
158	02/24/2021 09:41 AM	Honors College Residence Hall	1 st Floor Kitchen	Surface of Faucet Handle	71	105	211	
159	02/24/2021 09:42 AM	Honors College Residence Hall	1 st Floor Kitchen	Surface of Refrigerator Handle*	230	105	211	SARS-CoV-2 sample collected.
160	02/24/2021 09:42 AM	Honors College Residence Hall	1 st Floor Kitchen	Door Handle to Kitchen	121	105	211	Kitchen side of the door.
161	02/24/2021 09:43 AM	Honors College Residence Hall	105	Door Handle to Elevator Lobby Room 105*	260	105	211	Elevator side of the door. SARS-CoV-2 sample collected.
162	02/24/2021 09:44 AM	Honors College Residence Hall	105	Door Push Bar to Stairs*	535	105	211	Stairwell side of the door. SARS-CoV-2 sample collected.
163	02/24/2021 09:45 AM	Honors College Residence Hall	105	1 st Floor "Down" Elevator Call Button, Up	90	105	211	
164	02/24/2021 09:45 AM	Honors College Residence Hall	2 nd Floor Hallway	2 nd Floor "Down" Elevator Call Button, Down	117	105	211	Elevator Lobby Room 105 side of the building.
165	02/24/2021 09:46 AM	Honors College Residence Hall	3 rd Floor Hallway	3 rd Floor "Down" Elevator Call Button, Down	78	105	211	Elevator Lobby Room 105 side of the building.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
166	02/24/2021 09:46 AM	Honors College Residence Hall	4 th Floor Hallway	4 th Floor “Down” Elevator Call Button, Down	144	105	211	Elevator Lobby Room 105 side of the building.
167	02/24/2021 09:47 AM	Honors College Residence Hall	5 th Floor Hallway	5 th Floor “Down” Elevator Call Button, Down	56	105	211	Elevator Lobby Room 105 side of the building.
168	02/24/2021 09:47 AM	Honors College Residence Hall	6 th Floor Hallway	6 th Floor “Down” Elevator Call Button, Down	12	105	211	Elevator Lobby Room 105 side of the building.
169	02/24/2021 10:13 AM	Redwood Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator 1 Call Button, Down	50	105	211	
170	02/24/2021 10:13 AM	Redwood Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator 2 Call Button, Down	11	105	211	
171	02/24/2021 10:14 AM	Redwood Residence Hall	3 rd Floor Men’s Communal Bathroom	Surface of Sink 2, Faucet Handle	77	105	211	
172	02/24/2021 10:15 AM	Redwood Residence Hall	3 rd Floor Men’s Communal Bathroom	Surface of Sink 4, Faucet Handle	63	105	211	
173	02/24/2021 10:15 AM	Redwood Residence Hall	3 rd Floor Men’s Communal Bathroom	Surface of Stall 1, Door Lock*	216	105	211	SARS-CoV-2 sample collected.

174	02/24/2021 10:16 AM	Redwood Residence Hall	3 rd Floor Men's Communal Bathroom	Surface of Door Handle to Handicapped Stall	26	105	211	
175	02/24/2021 10:16 AM	Redwood Residence Hall	3 rd Floor Women's Communal Bathroom	Surface of Sink 2, Faucet Handle	4	105	211	
176	02/24/2021 10:17 AM	Redwood Residence Hall	3 rd Floor Women's Communal Bathroom	Surface of Sink 4, Faucet Handle	83	105	211	
177	02/24/2021 10:17 AM	Redwood Residence Hall	3 rd Floor Women's Communal Bathroom	Surface of Stall 1, Door Lock*	503	105	211	SARS-CoV-2 sample collected.
178	02/24/2021 10:18 AM	Redwood Residence Hall	3 rd Floor Women's Communal Bathroom	Surface of Door Handle to Handicapped Stall	0	105	211	
179	02/24/2021 10:19 AM	Redwood Residence Hall	4 th Floor Hallway	4 th Floor Elevator 1 Call Button, Down	45	105	211	
180	02/24/2021 10:19 AM	Redwood Residence Hall	4 th Floor Hallway	4 th Floor Elevator 2 Call Button, Down	164	105	211	
181	02/24/2021 10:20 AM	Redwood Residence Hall	4 th Floor Men's Communal Bathroom	Surface of Sink 2, Faucet Handle	103	105	211	
182	02/24/2021 10:20 AM	Redwood Residence Hall	4 th Floor Men's Communal Bathroom	Surface of Sink 4, Faucet Handle	0	105	211	

183	02/24/2021 10:22 AM	Redwood Residence Hall	4 th Floor Men's Communal Bathroom	Surface of Stall 1, Door Lock	112	105	211	
184	02/24/2021 10:22 AM	Redwood Residence Hall	4 th Floor Men's Communal Bathroom	Surface of Door Handle to Handicapped Stall	81	105	211	
185	02/24/2021 10:23 AM	Redwood Residence Hall	4 th Floor Women's Communal Bathroom	Surface of Sink 2, Faucet Handle	117	105	211	
186	02/24/2021 10:23 AM	Redwood Residence Hall	4 th Floor Women's Communal Bathroom	Surface of Sink 4, Faucet Handle	41	105	211	
187	02/24/2021 10:24 AM	Redwood Residence Hall	4 th Floor Women's Communal Bathroom	Surface of Stall 1, Door Lock	127	105	211	
188	02/24/2021 10:24 AM	Redwood Residence Hall	4 th Floor Women's Communal Bathroom	Surface of Door Handle to Handicapped Stall	80	105	211	
189	02/24/2021 10:52 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of Treadmill 4, Interface	49	105	211	Pre-cleaning sample.
190	02/24/2021 10:52 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of Stairmaster 1, Left Handle	21	105	211	Pre-cleaning sample.
191	02/24/2021 10:53 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of Paramount Pec Fly/Rear Delt Machine, Right Handle	34	105	211	Pre-cleaning sample.
192	02/24/2021 10:54 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of Smith Machine 3 Bar, Left Side*	259	105	211	Pre-cleaning sample.

193	02/24/2021 10:55 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of Row Machine Handle, Right Side	90	105	211	Pre-cleaning sample.
194	02/24/2021 10:55 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of Paramount XFT Machine, Left Pull-Up Handle	93	105	211	Pre-cleaning sample.
195	02/24/2021 10:56 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of 20lb Pre-Set Jagged Bar	60	105	211	Pre-cleaning sample.
196	02/24/2021 10:57 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of 15lb Dumbbell	187	105	211	Pre-cleaning sample.
197	02/24/2021 10:57 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Door Handle to Fitness Center*	365	105	211	Pre-cleaning sample. Hallway side of the door.
198	02/24/2021 10:58 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Door Push Bar to Hallway	145	105	211	Pre-cleaning sample. Fitness Center side of the door.
199	02/24/2021 11:07 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of Smith Machine 3 Bar, Left Side*	792	105	211	Test No. 192 post- cleaning sample.
200	02/24/2021 11:08 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of 15lb Dumbbell*	351	105	211	Test No. 196 post- cleaning sample.
201	02/24/2021 11:08 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Door Handle to Fitness Center	12	105	211	Test No. 197 post- cleaning sample.
202	02/24/2021 11:09 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Door Push Bar to Hallway	24	105	211	Test No. 198 post- cleaning sample.
203	02/24/2021 11:14 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of Smith Machine 3 Bar, Left Side*	379	105	211	Test No. 199 post- cleaning sample. SARS- CoV-2 sample collected.
204	02/24/2021 11:15 AM	Wellness Entertainment Center (WEC)	2 nd Floor Fitness Center	Surface of 15lb Dumbbell	74	105	211	Test No. 200 post- cleaning sample.

205	02/24/2021 01:21 PM	Cypress Residence Hall	1 st Floor Hallway	1 st Floor Elevator Call Button, Up	38	105	211	
206	02/24/2021 01:21 PM	Cypress Residence Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button, Down	41	105	211	
207	02/24/2021 01:22 PM	Cypress Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button, Down	16	105	211	
208	02/24/2021 01:23 PM	Cypress Residence Hall	4 th Floor Hallway	4 th Floor Elevator Call Button, Down	53	105	211	
209	02/24/2021 01:23 PM	Cypress Residence Hall	5 th Floor Hallway	5 th Floor Elevator Call Button, Down	110	105	211	
210	02/24/2021 01:24 PM	Cypress Residence Hall	6 th Floor Hallway	6 th Floor Elevator Call Button, Down	46	105	211	
211	02/24/2021 01:24 PM	Cypress Residence Hall	7 th Floor Hallway	7 th Floor Elevator Call Button, Down	64	105	211	
212	02/24/2021 01:25 PM	Cypress Residence Hall	8 th Floor Hallway	8 th Floor Elevator Call Button, Down	52	105	211	
213	02/24/2021 01:52 PM	Weston Hall	4 th Floor Library	Surface of Table 4, Seat 2	2	105	211	
214	02/24/2021 01:53 PM	Weston Hall	4 th Floor Library	Surface of Table 5, Seat 1	5	105	211	
215	02/24/2021 01:53 PM	Weston Hall	4 th Floor Library	Surface of Table 7, Seat 2	62	105	211	
216	02/24/2021 01:53 PM	Weston Hall	4 th Floor Library	Surface of Table 9	29	105	211	
217	02/24/2021 01:54 PM	Weston Hall	4 th Floor Library	Surface of Table 11, Seat 4	20	105	211	
218	02/24/2021 01:54 PM	Weston Hall	4 th Floor Library	Surface of Table 17	7	105	211	

219	02/24/2021 01:55 PM	Weston Hall	4 th Floor Library	Surface of Window Bench, Seat 3	6	105	211	
220	02/24/2021 01:55 PM	Weston Hall	4 th Floor Library	Surface of Round Table, Seat 10	3	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.
- Due to student use of the area, surface ATP testing could not be completed in Guttenberg Information Technologies Center (GITC), Room 1400, and Central King Building (CKB), Basement Study Lounge.

Data Interpretation:

- 37-out-of-220 representative ATP surface samples collected reported elevated ATP levels (16.8% of samples). 4-out-of-the 37 samples with elevated ATP levels were pre-cleaning samples. Meaning they were collected before the area was cleaned by NJIT building services.
- Omega Environmental Services collected SARS-CoV-2 surface samples on 32-out-of-33 representative surfaces with elevated ATP levels, that were not re-cleaned by NJIT Building Services.

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

Sample No.	SARS-CoV-2 Swab Sample Locations	Result (Positive/Negative)
1	Weston Hall, Studio 563, Surface of Table 7, Seat 4, Keyboard	Negative
2	Weston Hall, Studio 563, Surface of Table 9, Seat 6	Negative
3	Weston Hall, Studio 563, Surface of Table 10, Seat 3	Negative
4	Campus Center, 1 st Floor Sitting Area, Surface of Table 6, Seat 2	Negative
5	Houten Library, 1 st Floor Sitting Area, Computer CA-1047-020, Keyboard	Negative
6	Houten Library, 1 st Floor Sitting Area, Computer CA-1047-074, Keyboard	Negative
7	Mechanical Engineering Center (MEC), Room 221, Surface of Row 5, Seat 7	Negative
8	Mechanical Engineering Center (MEC), Room 221, Surface of Right Light Switch	Negative
9	Kupfrian Hall, Room 104, Surface of Row 3, Seat 1	Negative
10	Kupfrian Hall, Room 104, Surface of Row 3, Seat 4	Negative
11	Kupfrian Hall, Room 104, Surface of Row 3, Seat 7	Negative
12	Kupfrian Hall, Room 104, Surface of Row 4, Seat 6	Negative
13	Kupfrian Hall, Room 104, Surface of Row 4, Seat 9	Negative
14	Tiernan Hall, Room 114, Surface of Row 4, Seat 3	Negative
15	Tiernan Hall, Room 114, Surface of Row 6, Seat 4	Negative
16	Tiernan Hall, Room 114, Surface of Row 6, Seat 5	Negative
17	Central King Building (CKB), 3 rd Floor Lounge, Surface of Window Bench, Seat 5	Negative
18	Central King Building (CKB), 3 rd Floor Lounge, Surface of Door Handle to Room 338A, Lounge Side of the Door	Negative
19	Life Sciences & Engineering Center (LSEC), Ground Floor Sitting Area (Room 102), Surface of Table 10	Negative
20	Laurel Residence Hall, 1 st Floor Kitchen, Surface of Microwave Interface	Negative
21	Laurel Residence Hall, 1 st Floor Kitchen, Surface of Refrigerator Handle	Negative
22	Laurel (Extension) Residence Hall, 2 nd Floor Elevator Call Button, Down	Negative
23	Laurel (Extension) Residence Hall, 4 th Floor Elevator Call Button, Down	Negative
24	Laurel (Extension) Residence Hall, 6 th Floor Elevator Call Button, Down	Negative
25	Laurel (Extension) Residence Hall, 7 th Floor Elevator Call Button, Down	Negative
26	Honors College Residence Hall, 1 st Floor Kitchen, Surface of Microwave Handle	Negative
27	Honors College Residence Hall, 1 st Floor Kitchen, Surface of Refrigerator Handle	Negative
28	Honors College Residence Hall, Elevator Lobby Room 105, Door Handle to "Down" Elevator, Elevator Side of the Door	Negative
29	Honors College Residence Hall, Elevator Lobby Room 105, Door Push Bar to Stairs, Stairwell Side of the Door	Negative
30	Redwood Residence Hall, 3 rd Floor Men's Bathroom, Surface of Stall 1, Door Lock	Positive
31	Redwood Residence Hall, 3 rd Floor Women's Bathroom, Surface of Stall 1, Door Lock	Negative
32	Wellness Entertainment Center (WEC), 2 nd Floor Fitness Center, Surface of Smith Machine 3 Bar, Left Side	Negative

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

Sample No.	SARS-CoV-2 Air Sample Locations	Result (Positive/Negative)
1	Campus Center, 1 st Floor Sitting Area, Across from ATM Machine	Negative
2	Mechanical Engineering Center (MEC), Room 221	Negative
3	Houten Library, 1 st Floor Sitting Area	Negative
4	Weston Hall, Studio 563	Negative
5	Kupfrian Hall, Room 104	Negative
6	Cullimore Hall, Room 103	Negative
7	Tiernan Hall, Room 114	Negative
8	Wellness Entertainment Center (WEC), 2 nd Floor Fitness Center	Negative
9	Laurel Residence Hall, Vestibule	Negative
10	Laurel (Extension) Residence Hall, 1 st Floor Hallway, Next to the Elevator	Negative
11	Honors College Residence Hall, 1 st Floor Lobby	Negative
12	Cypress Residence Hall, 1 st Floor Lobby	Negative
13	Life Sciences & Engineering Center (LSEC), Ground Floor Sitting Area (Room 102)	Negative
14	Weston Hall, 4 th Floor Library	Negative
15	Central King Building (CKB), Basement Study Lounge	Negative
16	Guttenberg Information Technologies Center (GITC) Room 1400	Negative

Data Interpretation:

- Laboratory results indicate all the SARS-CoV-2 air samples collected on 2/23 and 2/24/2021 were negative.
- Laboratory results indicate the presence of the SARS-CoV-2 virus on 1-out-of-32 surfaces tested. The location of the positive sample is Redwood Residential Hall, 3rd Floor Men's Bathroom, Stall 1, Door Lock. Upon receiving the results, Omega contacted the NJIT EH&S department to recommend that the NJIT cleaning staff place an emphasis on cleaning and sanitizing the common areas within Redwood, the Isolation Dorm. Omega also recommended NJIT reiterate the importance of wearing the appropriate PPE while performing custodial tasks in Redwood.

Attachments:

Laboratory analysis reports with chain-of-custody

Analytical Test Report

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

Client Project/Name: 21-1040

Sample date: 2-23-2021

Submittal date: 2-23-2021

Sample received: 2-24-2021

Samples submitted by: Ross Hernandez

Date analysis completed: February 25, 2021

Prestige Report number: 210225-02

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 ³ (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value ³ (N2 Protein)	Presence/ Non-Detected
210224-02-026 01 Campus Center, 1 st Floor Sitting Area	ND	ND	ND	ND	Non-Detected
210224-02-027 02 MEC, Room 221	ND	ND	ND	ND	Non-Detected
210224-02-028 03 Houten Library, 1 st Floor Sitting Area	ND	ND	ND	ND	Non-Detected
210224-02-029 04 Weston Hall, Studio 563	ND	ND	ND	ND	Non-Detected
210224-02-030 05 Kupfrian Hall, Room 104	ND	ND	ND	ND	Non-Detected
210224-02-031 06 Cullimore Hall, Room 103	ND	ND	ND	ND	Non-Detected
210224-02-032 07 Tiernan Hall, Room 114	ND	ND	ND	ND	Non-Detected
210224-02-033 08 WEC, 2 nd Floor Fitness Center	ND	ND	ND	ND	Non-Detected

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 ³ (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value ³ (N2 Protein)	Presence/ Non-Detected
210224-02-008 01 Weston Hall, Studio 563, Table 7, Seat 4, Keyboard	ND	ND	ND	ND	Non-Detected
210224-02-009 02 Weston Hall, Studio 563, Surface of Table 9, Seat 6	ND	ND	ND	ND	Non-Detected
210224-02-010 03 Weston Hall, Studio 563, Surface of Table 10, Seat 3	ND	ND	ND	ND	Non-Detected
210224-02-011 04 Campus Center, 1 st Floor Sitting Area, Table 6, Seat 2	ND	ND	ND	ND	Non-Detected
210224-02-012 05 Houten Library, 1 st Floor Sitting Area, Computer CA1047-020, Keyboard	ND	ND	ND	ND	Non-Detected
210224-02-013 06 Houten Library, 1 st Floor Sitting Area, Computer CA1047-074, Keyboard	ND	ND	ND	ND	Non-Detected
210224-02-014 07 MEC, Room 221, Row 5, Seat 7	ND	ND	ND	ND	Non-Detected
210224-02-015 08 MEC, Room 221, Right Light Switch	ND	ND	ND	ND	Non-Detected
210224-02-016 09 Kupfrian Hall, Room 104, Row 3, Seat 1	ND	ND	ND	ND	Non-Detected

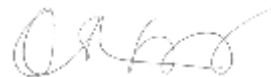
210224-02-017 10 Kupfrian Hall, Room 104, Row 3, Seat 4	ND	ND	ND	ND	Non-Detected
210224-02-018 11 Kupfrian Hall, Room 104, Row 3, Seat 7	ND	ND	ND	ND	Non-Detected
210224-02-019 12 Kupfrian Hall, Room 104, Row 4, Seat 6	ND	ND	ND	ND	Non-Detected
210224-02-020 13 Kupfrian Hall, Room 104, Row 4, Seat 9	ND	ND	ND	ND	Non-Detected
210224-02-021 14 Tiernan Hall, Room 114, Row 4, Seat 3	ND	ND	ND	ND	Non-Detected
210224-02-022 15 Tiernan Hall, Room 114, Row 6, Seat 4	ND	ND	ND	ND	Non-Detected
210224-02-023 16 Tiernan Hall, Room 114, Row 6, Seat 5	ND	ND	ND	ND	Non-Detected
210224-02-024 17 CKB, 3 rd Floor Lounge, Window Bench, Seat 5	ND	ND	ND	ND	Non-Detected
210224-02-025 18 CKB, 3 rd Floor Lounge, Door Handle to Room 338A	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.
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>

Analytical Test Report

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

Client Project/Name: 21-1040

Sample date: 2-24-2021

Submittal date: 2-24-2021

Sample received: 2-25-2021

Samples submitted by: Ross Hernandez

Date analysis completed: February 26, 2021

Prestige Report number: 210225-01

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 ³ (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value ³ (N2 Protein)	Presence/ Non-Detected
210225-01-001 09 Laurel Hall, Vestibule	ND	ND	ND	ND	Non-Detected
210225-01-002 10 Laurel (Ext) Hall, 1 st Fl Hallway, Near the Elevator	ND	ND	ND	ND	Non-Detected
210225-01-003 11 Honors College Hall, 1 st Floor Lobby	ND	ND	ND	ND	Non-Detected
210225-01-004 12 Cypress Hall, 1 st Floor Lobby	ND	ND	ND	ND	Non-Detected
210225-01-005 13 LSEC, Ground Floor Sitting Area, Room 102	ND	ND	ND	ND	Non-Detected
210225-01-006 14 Weston Hall, 4 th Floor Library	ND	ND	ND	ND	Non-Detected
210225-01-007 15 CKB, Basement Lounge	ND	ND	ND	ND	Non-Detected
210225-01-008 16 GITC, Room 1100	ND	ND	ND	ND	Non-Detected

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 ³ (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value ³ (N2 Protein)	Presence/ Non-Detected
210225-01-009 19 LSEC, Ground Floor Sitting Area (Room 102), Table 10	ND	ND	ND	ND	Non-Detected
210225-01-010 20 Laurel Hall, 1 st Floor Kitchen, Microwave Interface	ND	ND	ND	ND	Non-Detected
210225-01-011 21 Laurel Hall, 1 st Floor Kitchen, Refrigerator Handle	ND	ND	ND	ND	Non-Detected
210225-01-012 22 Laurel (Ext) Hall, 2 nd Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210225-01-013 23 Laurel (Ext) Hall, 4 th Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210225-01-014 24 Laurel (Ext) Hall, 6 th Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210225-01-015 25 Laurel (Ext) Hall, 7 th Floor Elevator Call Button, Down	ND	ND	ND	ND	Non-Detected
210225-01-016 26 Honors College Hall, 1 st Floor Kitchen, Microwave Handle	ND	ND	ND	ND	Non-Detected

210225-01-017 27 Honors College Hall, 1 st Floor Kitchen, Refrigerator Handle	ND	ND	ND	ND	Non-Detected
210225-01-018 28 Honors College Hall, Door Handle to Elevator Lobby Room 105, Elevator Side	ND	ND	ND	ND	Non-Detected
210225-01-019 29 Honors College Hall, Door Push Bar to Stairs, Stairwell Side	ND	ND	ND	ND	Non-Detected
210225-01-020 30 Redwood Hall, 3 rd Floor Men's Bathroom, Stall 1, Lock	Positive	37.17	Positive	38.40	Presence
210225-01-021 31 Redwood Hall, 3 rd Floor Women's Bathroom, Stall 1, Lock	ND	ND	ND	ND	Non-Detected
210225-01-022 32 WEC, 2 nd Floor Fitness Center, Smith Machine 3 Bar, Left Side	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.

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