



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: 11/17/20-11/19/2020

DATE OF REPORT: 11/20/2020

REPORT PREPARED BY: Ross Hernandez

REPORT REVIEWED BY: Veronica Kero P.E., CIH

{Omega Project#: 20-1175}

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Executive Summary:

On 11/17/2020, 11/18/2020, and 11/19/2020, Omega Environmental Services conducted ATP surface testing and SARS-CoV-2 environmental sampling in The Life Science, Engineering Center (LSEC), Kupfrian Hall, Tiernan Hall, Faculty Memorial Hall (FMH), Central King Building (CKB), Mechanical Engineering Center (MEC), Cullimore Hall, Guttenberg Information Technologies Center (GITC), Houten Library, The Campus Center, The Wellness and Entertainment Center (WEC), Cypress Residence Hall, Laurel Residence Hall, Weston Hall, Colton Hall, and The Honors College Residence Hall of the NJIT campus. 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"> • Excluding the pre-cleaning samples, 20-out-of-279 representative ATP surface samples collected reported elevated ATP levels (7.2% of samples). • Omega Environmental Services collected SARS-CoV-2 surface samples on all 20 representative surfaces with elevated ATP levels, that were not recleaned by NJIT Building Services. • In the Wellness Entertainment Center, the average pre-cleaning ATP concentration was approximately 142 RLU, with 16.6% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration was 61.5 RLU, with an approximate 57% decrease in ATP concentrations.
<p style="text-align: center;">Coronavirus-19 PCR Samples</p>	<ul style="list-style-type: none"> • Laboratory results indicate all of the SARS-CoV-2 air samples collected on 11/17/20, 11/18/20, and 11/19/2020 were negative. • Laboratory results indicate the presence of the SARS-CoV-2 virus on 1-out-of-23 surfaces tested. The location of the positive sample is Colton Hall, Room 243, Computer Keyboard. Upon receiving the results Omega contacted The NJIT EH&S department to recommend recleaning the area and replacing the keyboard.

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	11/17/2020 08:34 AM	LSEC	102	Surface of Table 2	20	105	211	
2	11/17/2020 08:34 AM	LSEC	102	Surface of Table 3	12	105	211	
3	11/17/2020 08:35 AM	LSEC	102	Surface of Table 4	15	105	211	
4	11/17/2020 08:35 AM	LSEC	102	Surface of Table 5	35	105	211	
5	11/17/2020 08:35 AM	LSEC	102	Surface of Table 6	42	105	211	
6	11/17/2020 08:36 AM	LSEC	102	Surface of Table 7	18	105	211	
7	11/17/2020 08:36 AM	LSEC	102	Surface of Table 8	44	105	211	
8	11/17/2020 08:37 AM	LSEC	102	Surface of Table 9	35	105	211	
9	11/17/2020 08:37 AM	LSEC	102	Surface of Table 10	83	105	211	
10	11/17/2020 08:38 AM	LSEC	102	Surface of Table 11	79	105	211	
11	11/17/2020 08:38 AM	LSEC	102	Surface of Table 12	53	105	211	
12	11/17/2020 08:39 AM	LSEC	102	Surface of Table 13	15	105	211	
13	11/17/2020 08:40 AM	LSEC	102	Surface of Table 14	28	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
14	11/17/2020 09:18 AM	Kupfrian Hall	208	Surface of Row 1, Seat 1	23	105	211	
15	11/17/2020 09:18 AM	Kupfrian Hall	208	Surface of Row 1, Seat 4	30	105	211	
16	11/17/2020 09:19 AM	Kupfrian Hall	208	Surface of Row 1, Seat 7	12	105	211	
17	11/17/2020 09:20 AM	Kupfrian Hall	208	Surface of Row 2, Seat 3	79	105	211	
18	11/17/2020 09:21 AM	Kupfrian Hall	208	Surface of Row 2, Seat 6	5	105	211	
19	11/17/2020 09:22 AM	Kupfrian Hall	208	Surface of Row 2, Seat 9	9	105	211	
20	11/17/2020 09:23 AM	Kupfrian Hall	208	Surface of Row 3, Seat 1	40	105	211	
21	11/17/2020 09:23 AM	Kupfrian Hall	208	Surface of Row 3, Seat 4	38	105	211	
22	11/17/2020 09:24 AM	Kupfrian Hall	208	Surface of Row 3, Seat 7	17	105	211	
23	11/17/2020 09:25 AM	Kupfrian Hall	208	Surface of Row 4, Seat 1	56	105	211	
24	11/17/2020 09:25 AM	Kupfrian Hall	208	Surface of Row 4, Seat 4	32	105	211	
25	11/17/2020 09:26 AM	Kupfrian Hall	208	Surface of Row 4, Seat 7	43	105	211	
26	11/17/2020 09:26 AM	Kupfrian Hall	208	Surface of Row 5, Seat 3	176	105	211	SARS-CoV-2 sample collected.
27	11/17/2020 09:27 AM	Kupfrian Hall	208	Surface of Row 5, Seat 6	20	105	211	
28	11/17/2020 09:28 AM	Kupfrian Hall	208	Surface of Row 5, Seat 9	35	105	211	
29	11/17/2020 09:28 AM	Kupfrian Hall	208	Door Handle	109	105	211	Classroom side of the door.
30	11/17/2020 09:29 AM	Kupfrian Hall	208	Right Light Switch	84	105	211	
31	11/17/2020 09:48 AM	Tiernan Hall	112	Surface of Row 1, Seat 1	7	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
32	11/17/2020 09:48 AM	Tiernan Hall	112	Surface of Row 1, Seat 3	5	105	211	
33	11/17/2020 09:49 AM	Tiernan Hall	112	Surface of Row 1, Seat 5	3	105	211	
34	11/17/2020 09:49 AM	Tiernan Hall	112	Surface of Row 2, Seat 1	2	105	211	
35	11/17/2020 09:50 AM	Tiernan Hall	112	Surface of Row 2, Seat 3	55	105	211	
36	11/17/2020 09:50 AM	Tiernan Hall	112	Surface of Row 2, Seat 5	9	105	211	
37	11/17/2020 09:51 AM	Tiernan Hall	112	Surface of Row 3, Seat 1	12	105	211	
38	11/17/2020 09:51 AM	Tiernan Hall	112	Surface of Row 3, Seat 3	2	105	211	
39	11/17/2020 09:52 AM	Tiernan Hall	112	Surface of Row 3, Seat 5	2	105	211	
40	11/17/2020 09:52 AM	Tiernan Hall	112	Surface of Row 4, Seat 1	11	105	211	
41	11/17/2020 09:53 AM	Tiernan Hall	112	Surface of Row 4, Seat 3	7	105	211	
42	11/17/2020 09:53 AM	Tiernan Hall	112	Surface of Row 4, Seat 5	0	105	211	
43	11/17/2020 09:54 AM	Tiernan Hall	112	Surface of Row 5, Seat 1	8	105	211	
44	11/17/2020 09:54 AM	Tiernan Hall	112	Surface of Row 5, Seat 3	6	105	211	
45	11/17/2020 09:55 AM	Tiernan Hall	112	Surface of Row 5, Seat 5	2	105	211	
46	11/17/2020 09:56 AM	Tiernan Hall	112	Surface of Row 6, Seat 1	10	105	211	
47	11/17/2020 09:56 AM	Tiernan Hall	112	Surface of Row 6, Seat 3	2	105	211	
48	11/17/2020 09:56 AM	Tiernan Hall	112	Surface of Row 6, Seat 5	5	105	211	
49	11/17/2020 09:57 AM	Tiernan Hall	112	Surface of Row 7, Seat 1	16	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
50	11/17/2020 09:57 AM	Tiernan Hall	112	Surface of Row 7, Seat 3	24	105	211	
51	11/17/2020 09:58 AM	Tiernan Hall	112	Surface of Row 7, Seat 5	5	105	211	
52	11/17/2020 09:59 AM	Tiernan Hall	112	Surface of Row 8, Seat 3	2	105	211	
53	11/17/2020 09:59 AM	Tiernan Hall	112	Surface of Row 8, Seat 5	1	105	211	
54	11/17/2020 10:00 AM	Tiernan Hall	112	Door Handle	2	105	211	Classroom side of the door.
55	11/17/2020 10:00 AM	Tiernan Hall	112	Left Light Switch	12	105	211	
56	11/17/2020 10:49 AM	FMH	314	Surface of Row 1, Seat 3	48	105	211	
57	11/17/2020 10:49 AM	FMH	314	Surface of Row 1, Seat 6	36	105	211	
58	11/17/2020 10:50 AM	FMH	314	Surface of Row 1, Seat 9	47	105	211	
59	11/17/2020 10:51 AM	FMH	314	Surface of Row 2, Seat 1	53	105	211	
60	11/17/2020 10:51 AM	FMH	314	Surface of Row 2, Seat 4	56	105	211	
61	11/17/2020 10:52 AM	FMH	314	Surface of Row 2, Seat 7	34	105	211	
62	11/17/2020 10:52 AM	FMH	314	Surface of Row 3, Seat 3	13	105	211	
63	11/17/2020 10:53 AM	FMH	314	Surface of Row 3, Seat 6	46	105	211	
64	11/17/2020 10:53 AM	FMH	314	Surface of Row 3, Seat 9	34	105	211	
65	11/17/2020 10:54 AM	FMH	314	Surface of Row 4, Seat 1	10	105	211	
66	11/17/2020 10:55 AM	FMH	314	Surface of Row 4, Seat 4	27	105	211	
67	11/17/2020 10:55 AM	FMH	314	Surface of Row 4, Seat 7	13	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
68	11/17/2020 10:56 AM	FMH	314	Door Handle*	661	105	211	Classroom side of the door. SARS-CoV-2 sample collected.
69	11/17/2020 10:56 AM	FMH	314	Right Light Switch	2	105	211	
70	11/17/2020 11:42 AM	CKB	212	Surface of Row 1, Seat 1	14	105	211	
71	11/17/2020 11:42 AM	CKB	212	Surface of Row 1, Seat 2	1	105	211	
72	11/17/2020 11:43 AM	CKB	212	Surface of Row 1, Seat 3	35	105	211	
73	11/17/2020 11:43 AM	CKB	212	Surface of Row 2, Seat 5	8	105	211	
74	11/17/2020 11:44 AM	CKB	212	Surface of Row 2, Seat 6*	214	105	211	SARS-CoV-2 sample collected.
75	11/17/2020 11:44 AM	CKB	212	Surface of Row 2, Seat 7	18	105	211	
76	11/17/2020 11:45 AM	CKB	212	Surface of Row 3, Seat 2	11	105	211	
77	11/17/2020 11:45 AM	CKB	212	Surface of Row 3, Seat 3	6	105	211	
78	11/17/2020 11:46 AM	CKB	212	Surface of Row 3, Seat 4	10	105	211	
79	11/17/2020 11:47 AM	CKB	212	Surface of Row 5, Seat 3	5	105	211	
80	11/17/2020 11:47 AM	CKB	212	Surface of Row 5, Seat 6	5	105	211	
81	11/17/2020 11:48 AM	CKB	212	Surface of Row 5, Seat 7	6	105	211	
82	11/17/2020 11:48 AM	CKB	212	Door Handle	3	105	211	Right side of the room. Classroom side of the door.
83	11/17/2020 11:49 AM	CKB	212	Door Handle	20	105	211	Left side of the room. Classroom side of the door.
84	11/17/2020 11:49 AM	CKB	212	Center Light Switch	10	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
85	11/17/2020 01:16 PM	MEC	224	Surface of Row 1, Seat 2	21	105	211	
86	11/17/2020 01:17 PM	MEC	224	Surface of Row 1, Seat 4	12	105	211	
87	11/17/2020 01:18 PM	MEC	224	Surface of Row 1, Seat 8	22	105	211	
88	11/17/2020 01:19 PM	MEC	224	Surface of Row 3, Seat 3	12	105	211	
89	11/17/2020 01:19 PM	MEC	224	Surface of Row 3, Seat 6	7	105	211	
90	11/17/2020 01:20 PM	MEC	224	Surface of Row 3, Seat 9	11	105	211	
91	11/17/2020 01:20 PM	MEC	224	Surface of Row 3, Seat 12	12	105	211	
92	11/17/2020 01:21 PM	MEC	224	Surface of Row 5, Seat 2	27	105	211	
93	11/17/2020 01:21 PM	MEC	224	Surface of Row 5, Seat 5	30	105	211	
94	11/17/2020 01:22 PM	MEC	224	Surface of Row 5, Seat 8	26	105	211	
95	11/17/2020 01:22 PM	MEC	224	Surface of Row 5, Seat 11	17	105	211	
96	11/17/2020 01:24 PM	MEC	224	Door Handle	28	105	211	Right side of the room. Classroom side of the door.
97	11/17/2020 01:24 PM	MEC	224	Door Handle	16	105	211	Left side of the room. Classroom side of the door.
98	11/17/2020 01:25 PM	MEC	224	Light Switch	111	105	211	Right side of the room.
99	11/17/2020 01:44 PM	Cullimore Hall	106	Surface of Row 1, Seat 1	7	105	211	
100	11/17/2020 01:45 PM	Cullimore Hall	106	Surface of Row 1, Seat 6	6	105	211	
101	11/17/2020 01:45 PM	Cullimore Hall	106	Surface of Row 1, Seat 9	2	105	211	
102	11/17/2020 01:46 PM	Cullimore Hall	106	Surface of Row 3, Seat 3	10	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
103	11/17/2020 01:46 PM	Cullimore Hall	106	Surface of Row 3, Seat 6	9	105	211	
104	11/17/2020 01:47 PM	Cullimore Hall	106	Surface of Row 3, Seat 7	18	105	211	
105	11/17/2020 01:47 PM	Cullimore Hall	106	Surface of Row 5, Seat 1	7	105	211	
106	11/17/2020 01:48 PM	Cullimore Hall	106	Surface of Row 5, Seat 3	4	105	211	
107	11/17/2020 01:49 PM	Cullimore Hall	106	Surface of Row 5, Seat 6	20	105	211	
108	11/17/2020 01:49 PM	Cullimore Hall	106	Surface of Row 7, Seat 2	12	105	211	
109	11/17/2020 01:50 PM	Cullimore Hall	106	Surface of Row 7, Seat 5	8	105	211	
110	11/17/2020 01:50 PM	Cullimore Hall	106	Surface of Row 7, Seat 8	5	105	211	
111	11/17/2020 01:51 PM	Cullimore Hall	106	Surface of Row 9, Seat 1	9	105	211	
112	11/17/2020 01:51 PM	Cullimore Hall	106	Surface of Row 9, Seat 4	4	105	211	
113	11/17/2020 01:51 PM	Cullimore Hall	106	Surface of Row 9, Seat 7	6	105	211	
114	11/17/2020 01:52 PM	Cullimore Hall	106	Door Push Bar	29	105	211	Classroom side of the door.
115	11/17/2020 01:52 PM	Cullimore Hall	106	Light Switch	5	105	211	
116	11/17/2020 02:12 PM	GITC	1400	Surface of Row 1, Seat 1	8	105	211	
117	11/17/2020 02:13 PM	GITC	1400	Surface of Row 1, Seat 4	12	105	211	
118	11/17/2020 02:13 PM	GITC	1400	Surface of Row 1, Seat 8	64	105	211	
119	11/17/2020 02:14 PM	GITC	1400	Surface of Row 1, Seat 13	18	105	211	
120	11/17/2020 02:14 PM	GITC	1400	Surface of Row 2, Seat 4	20	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
121	11/17/2020 02:15 PM	GITC	1400	Surface of Row 2, Seat 7	8	105	211	
122	11/17/2020 02:15 PM	GITC	1400	Surface of Row 2, Seat 8	12	105	211	
123	11/17/2020 02:16 PM	GITC	1400	Surface of Row 2, Seat 13	22	105	211	
124	11/17/2020 02:16 PM	GITC	1400	Surface of Row 4, Seat 1	16	105	211	
125	11/17/2020 02:17 PM	GITC	1400	Surface of Row 4, Seat 4	11	105	211	
126	11/17/2020 02:17 PM	GITC	1400	Surface of Row 4, Seat 7	13	105	211	
127	11/17/2020 02:17 PM	GITC	1400	Surface of Row 4, Seat 11	14	105	211	
128	11/17/2020 02:18 PM	GITC	1400	Surface of Row 6, Seat 2	7	105	211	
129	11/17/2020 02:18 PM	GITC	1400	Surface of Row 6, Seat 6	5	105	211	
130	11/17/2020 02:19 PM	GITC	1400	Surface of Row 6, Seat 9	14	105	211	
131	11/17/2020 02:19 PM	GITC	1400	Surface of Row 6, Seat 13	13	105	211	
132	11/17/2020 02:20 PM	GITC	1400	Surface of Row 8, Seat 1	8	105	211	
133	11/17/2020 02:20 PM	GITC	1400	Surface of Row 8, Seat 4	95	105	211	
134	11/17/2020 02:21 PM	GITC	1400	Surface of Row 8, Seat 7	9	105	211	
135	11/17/2020 02:21 PM	GITC	1400	Surface of Row 8, Seat 9	4	105	211	
136	11/17/2020 02:22 PM	GITC	1400	Door Push Bar	23	105	211	Front, left side of the room. Classroom side of the door.
137	11/17/2020 02:22 PM	GITC	1400	Door Push Bar	35	105	211	Back, left side of the room (closest to the main entrance). Classroom side of the door.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
138	11/17/2020 02:22 PM	GITC	1400	Light Switch	24	105	211	Front left side of the room.
139	11/17/2020 02:33 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-001, Keyboard	46	105	211	
140	11/17/2020 02:33 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-005, Mouse*	346	105	211	SARS-CoV-2 sample collected.
141	11/17/2020 02:34 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-014, Keyboard	42	105	211	
142	11/17/2020 02:35 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-018, Mouse	16	105	211	
143	11/17/2020 02:35 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-025, Keyboard	36	105	211	
144	11/17/2020 02:36 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-029, Mouse*	219	105	211	SARS-CoV-2 sample collected.
145	11/17/2020 02:36 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-034, Keyboard	22	105	211	
146	11/17/2020 02:37 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-036, Mouse	57	105	211	
147	11/17/2020 02:38 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-039, Keyboard	14	105	211	
148	11/17/2020 02:38 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-45, Mouse	76	105	211	
149	11/17/2020 02:39 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-052, Keyboard	32	105	211	
150	11/17/2020 02:39 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-054, Mouse	30	105	211	
151	11/17/2020 02:40 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-058, Keyboard	64	105	211	
152	11/17/2020 02:41 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-065, Mouse	19	105	211	
153	11/17/2020 02:41 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-070, Keyboard	20	105	211	
154	11/17/2020 02:42 PM	Houten Library	1 st Fl Main Area	Computer CA-1047-074, Mouse	78	105	211	
155	11/18/2020 09:37 AM	Campus Center	1 st Fl Main Area	ATM Machine, Keyboard*	254	105	211	SARS-CoV-2 sample collected.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
156	11/18/2020 09:37 AM	Campus Center	1 st Fl Main Area	Drink Vending Machine, Keyboard*	251	105	211	SARS-CoV-2 sample collected.
157	11/18/2020 09:38 AM	Campus Center	1 st Fl Main Area	Snack Vending Machine, Screen	151	105	211	
158	11/18/2020 09:39 AM	Campus Center	1 st Fl Main Area	Amazon Locker, Screen	150	105	211	
159	11/18/2020 09:40 AM	Campus Center	1 st Fl Main Area	Surface of Table 2, Seat 2	155	105	211	White table directly to the right of the senate office.
160	11/18/2020 09:41 AM	Campus Center	1 st Fl Main Area	Door Handle to the Senate Office*	237	105	211	Lobby side of the door. SARS-CoV-2 sample collected.
161	11/18/2020 09:50 AM	Campus Center	1 st Fl Main Area	Surface of Table 3, Seat 5	27	105	211	High table directly in front of the GSA office.
162	11/18/2020 10:14 AM	Cullimore Hall	110	Surface of Table 1, Seat 2	56	105	211	
163	11/18/2020 10:15 AM	Cullimore Hall	110	Surface of Table 1, Seat 4	15	105	211	
164	11/18/2020 10:15 AM	Cullimore Hall	110	Surface of Row 1, Seat 6	5	105	211	
165	11/18/2020 10:16 AM	Cullimore Hall	110	Surface of Row 3, Seat 1	10	105	211	
166	11/18/2020 10:16 AM	Cullimore Hall	110	Surface of Row 3, Seat 4	12	105	211	
167	11/18/2020 10:17 AM	Cullimore Hall	110	Surface of Row 3, Seat 6	18	105	211	
168	11/18/2020 10:17 AM	Cullimore Hall	110	Surface of Row 3, Seat 7	5	105	211	
169	11/18/2020 10:18 AM	Cullimore Hall	110	Surface of Row 5, Seat 1	3	105	211	
170	11/18/2020 10:19 AM	Cullimore Hall	110	Surface of Row 5, Seat 3	4	105	211	
171	11/18/2020 10:19 AM	Cullimore Hall	110	Surface of Row 5, Seat 5	7	105	211	
172	11/18/2020 10:20 AM	Cullimore Hall	110	Surface of Row 5, Seat 7	2	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
173	11/18/2020 10:20 AM	Cullimore Hall	110	Door Handle	2	105	211	Hallway side of the door.
174	11/18/2020 10:21 AM	Cullimore Hall	110	Right Light Switch	10	105	211	
175	11/18/2020 10:39 AM	WEC	2 nd Floor Fitness Center	Door Pull Bar	169	105	211	Pre-cleaning sample. Hallway side of the door.
176	11/18/2020 10:40 AM	WEC	2 nd Floor Fitness Center	Door Push Bar	129	105	211	Pre-cleaning sample. Fitness Center side of the door.
177	11/18/2020 10:40 AM	WEC	2 nd Floor Fitness Center	Row Machine, Right Handle	10	105	211	Pre-cleaning sample.
178	11/18/2020 10:41 AM	WEC	2 nd Floor Fitness Center	Pull-Up Bar, Left Handle*	304	105	211	Pre-cleaning sample. Closest to the main entrance.
179	11/18/2020 10:42 AM	WEC	2 nd Floor Fitness Center	Dip Machine, Right Handle	112	105	211	Pre-cleaning sample.
180	11/18/2020 10:42 AM	WEC	2 nd Floor Fitness Center	Smith Machine 1 Bar, Left Side*	287	105	211	Pre-cleaning sample. Closest to the mirror in the back.
181	11/18/2020 10:43 AM	WEC	2 nd Floor Fitness Center	25lb. Dumbbell	96	105	211	Pre-cleaning sample.
182	11/18/2020 10:44 AM	WEC	2 nd Floor Fitness Center	10lb. Dumbbell	182	105	211	Pre-cleaning sample.
183	11/18/2020 10:44 AM	WEC	2 nd Floor Fitness Center	Treadmill 2, Interface	56	105	211	Pre-cleaning sample.
184	11/18/2020 10:45 AM	WEC	2 nd Floor Fitness Center	Treadmill 8, Interface	79	105	211	Pre-cleaning sample.
185	11/18/2020 11:02 AM	WEC	2 nd Floor Fitness Center	Pull-Up Bar, Left Handle	60	105	211	Test No. 178 Post-Cleaning sample.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
186	11/18/2020 11:02 AM	WEC	2 nd Floor Fitness Center	Smith Machine 1 Bar, Left Side	63	105	211	Test No. 180 Post-Cleaning sample.
187	11/18/2020 11:19 AM	Cypress Residence Hall	1 st Floor Lobby	Door Handle to Elevators*	509	105	211	Vestibule side of the door. SARS-CoV-2 sample collected.
188	11/18/2020 11:20 AM	Cypress Residence Hall	1 st Floor Lobby	Door Push Bar*	575	105	211	Exit to the building. Lobby side of the door. SARS-CoV- 2 sample collected.
189	11/18/2020 11:20 AM	Cypress Residence Hall	1 st Floor Hallway	1 st Floor Elevator Call Button (Up)	79	105	211	
190	11/18/2020 11:21 AM	Cypress Residence Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button (Down)	141	105	211	
191	11/18/2020 11:23 AM	Cypress Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button (Down)	199	105	211	
192	11/18/2020 11:24 AM	Cypress Residence Hall	4 th Floor Hallway	4 th Floor Elevator Call Button (Down)	38	105	211	
193	11/18/2020 11:24 AM	Cypress Residence Hall	5 th Floor Hallway	5 th Floor Elevator Call Button (Down)*	217	105	211	SARS-CoV-2 sample collected.
194	11/18/2020 11:25 AM	Cypress Residence Hall	6 th Floor Hallway	6 th Floor Elevator Call Button (Down)	25	105	211	
195	11/18/2020 11:25 AM	Cypress Residence Hall	7 th Floor Hallway	7 th Floor Elevator Call Button (Down)	95	105	211	
196	11/18/2020 11:26 AM	Cypress Residence Hall	8 th Floor Hallway	8 th Floor Elevator Call Button (Down)	182	105	211	
197	11/18/2020 01:29 PM	Laurel Residence Hall	1 st Floor Lobby	Door Handle	83	105	211	Door to the elevators. Lobby side of the door.
198	11/18/2020 01:29 PM	Laurel Residence Hall	1 st Floor Lobby	Door Handle*	303	105	211	Door to the lobby. Hallway side of the door. SARS-CoV- 2 sample collected.
199	11/18/2020 01:30 PM	Laurel Residence Hall	1 st Floor Hallway	1 st Floor Elevator Call Button (Up)	96	105	211	
200	11/18/2020 01:31 PM	Laurel Residence Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button (Down)	67	105	211	
201	11/18/2020 01:31 PM	Laurel Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button (Down)	108	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
202	11/18/2020 01:32 PM	Laurel Residence Hall	4 th Floor Hallway	4 th Floor Elevator Call Button (Down)	46	105	211	
203	11/18/2020 01:32 PM	Laurel Residence Hall	5 th Floor Hallway	5 th Floor Elevator Call Button (Down)	15	105	211	
204	11/18/2020 01:33 PM	Laurel (Ext) Residence Hall	1 st Floor Hallway	1 st Floor Elevator Call Button (Up)	52	105	211	
205	11/18/2020 01:33 PM	Laurel (Ext) Residence Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button (Down)*	807	105	211	SARS-CoV-2 sample collected.
206	11/18/2020 01:34 PM	Laurel (Ext) Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button (Down)	188	105	211	
207	11/18/2020 01:34 PM	Laurel (Ext) Residence Hall	4 th Floor Hallway	4 th Floor Elevator Call Button (Down)*	511	105	211	SARS-CoV-2 sample collected.
208	11/18/2020 01:35 PM	Laurel (Ext) Residence Hall	5 th Floor Hallway	5 th Floor Elevator Call Button (Down)*	382	105	211	SARS-CoV-2 sample collected.
209	11/18/2020 01:35 PM	Laurel (Ext) Residence Hall	6 th Floor Hallway	6 th Floor Elevator Call Button (Down)*	887	105	211	SARS-CoV-2 sample collected.
210	11/18/2020 01:36 PM	Laurel (Ext) Residence Hall	7 th Floor Hallway	7 th Floor Elevator Call Button (Down)*	688	105	211	SARS-CoV-2 sample collected.
211	11/18/2020 02:54 PM	Cullimore Hall	103	Surface of Row 3, Seat 2	20	105	211	
212	11/18/2020 02:54 PM	Cullimore Hall	103	Surface of Row 3, Seat 5	12	105	211	
213	11/18/2020 02:55 PM	Cullimore Hall	103	Surface of Row 3, Seat 8	150	105	211	
214	11/18/2020 02:55 PM	Cullimore Hall	103	Surface of Row 5, Seat 3	8	105	211	
215	11/18/2020 02:56 PM	Cullimore Hall	103	Surface of Row 5, Seat 6	3	105	211	
216	11/18/2020 02:56 PM	Cullimore Hall	103	Surface of Row 5, Seat 9	47	105	211	
217	11/18/2020 02:57 PM	Cullimore Hall	103	Surface of Row 7, Seat 2	4	105	211	
218	11/18/2020 02:58 PM	Cullimore Hall	103	Surface of Row 7, Seat 5	7	105	211	
219	11/18/2020 02:58 PM	Cullimore Hall	103	Surface of Row 7, Seat 8	6	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
220	11/18/2020 02:59 PM	Cullimore Hall	103	Surface of Row 9, Seat 3	0	105	211	
221	11/18/2020 02:59 PM	Cullimore Hall	103	Surface of Row 9, Seat 6	23	105	211	
222	11/18/2020 03:00 PM	Cullimore Hall	103	Surface of Row 9, Seat 9	17	105	211	
223	11/18/2020 03:00 PM	Cullimore Hall	103	Door Push Bar	26	105	211	Classroom side of the door.
224	11/18/2020 03:01 PM	Cullimore Hall	103	Light Switch*	760	105	211	SARS-CoV-2 sample collected.
225	11/18/2020 03:44 PM	Weston Hall	651	Surface of Table 10, Seat 2	43	105	211	
226	11/18/2020 03:44 PM	Weston Hall	651	Surface of Table 9, Seat 2	66	105	211	
227	11/18/2020 03:45 PM	Weston Hall	651	Surface of Table 9, Seat 4	34	105	211	
228	11/18/2020 03:45 PM	Weston Hall	651	Surface of Table 8, Seat 1	24	105	211	
229	11/18/2020 03:46 PM	Weston Hall	651	Surface of Table 8, Seat 5	20	105	211	
230	11/18/2020 03:47 PM	Weston Hall	651	Surface of Table 7, Seat 2	132	105	211	
231	11/18/2020 03:47 PM	Weston Hall	651	Surface of Table 7, Seat 6	47	105	211	
232	11/18/2020 03:48 PM	Weston Hall	651	Surface of Table 6, Seat 4	33	105	211	
233	11/18/2020 03:48 PM	Weston Hall	651	Surface of Table 6, Seat 8	50	105	211	
234	11/18/2020 03:49 PM	Weston Hall	651	Surface of Table 6, Seat 11	48	105	211	
235	11/18/2020 03:50 PM	Weston Hall	651	Surface of Table 5, Seat 4	20	105	211	
236	11/18/2020 03:51 PM	Weston Hall	651	Surface of Table 4, Seat 1	29	105	211	
237	11/18/2020 03:51 PM	Weston Hall	651	Surface of Table 4, Seat 3	29	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
238	11/18/2020 03:52 PM	Weston Hall	651	Surface of Table 3, Seat 4	44	105	211	
239	11/18/2020 03:52 PM	Weston Hall	651	Surface of Table 3, Seat 6	12	105	211	
240	11/18/2020 03:53 PM	Weston Hall	651	Surface of Table 2, Seat 1	120	105	211	
241	11/18/2020 03:54 PM	Weston Hall	651	Surface of Table 1, Seat 3	15	105	211	
242	11/19/2020 10:30 AM	Colton Hall	200	Surface of Tablet Screen	52	105	211	Mounted on the pillar.
243	11/19/2020 10:31 AM	Colton Hall	200	Surface of Table 1	7	105	211	
244	11/19/2020 10:33 AM	Colton Hall	200	Surface of Table 1 Computer, Keyboard	53	105	211	
245	11/19/2020 10:34 AM	Colton Hall	200	Surface of Table 2	23	105	211	
246	11/19/2020 10:34 AM	Colton Hall	200	Surface of Table 3	191	105	211	SARS-CoV-2 sample collected.
247	11/19/2020 10:35 AM	Colton Hall	200	Surface of Table 3 Computer, Mouse	78	105	211	
248	11/19/2020 10:36 AM	Colton Hall	200	Surface of Table 4	40	105	211	
249	11/19/2020 10:36 AM	Colton Hall	200	Surface of Table 4 Computer, Keyboard	86	105	211	
250	11/19/2020 10:37 AM	Colton Hall	200	Surface of Table 5	99	105	211	
251	11/19/2020 10:37 AM	Colton Hall	200	Surface of Hand Sanitizer Dispenser	24	105	211	Located in between Office No. 243 and 245. SARS-CoV-2 sample collected.
252	11/19/2020 10:38 AM	Colton Hall	200	Door Push Lever	203	105	211	Main entrance to the office. Office side of the door. SARS-CoV-2 sample collected.
253	11/19/2020 10:38 AM	Colton Hall	200	Door Handle	149	105	211	Main entrance to the office. Hallway side of the door.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
								SARS-CoV-2 sample collected.
254	11/19/2020 10:39 AM	Colton Hall	200	Light Switch	23	105	211	Next to the main entrance. SARS-CoV-2 sample collected.
255	11/19/2020 10:40 AM	Colton Hall	200	Supply Closet Door Handle	38	105	211	Door closest to the main entrance door.
256	11/19/2020 10:41 AM	Colton Hall	200	Supply Closet Door Handle	27	105	211	Door closest to the back door.
257	11/19/2020 10:41 AM	Colton Hall	200	Back Door Handle	13	105	211	Leading to the back hallway. Office side of the door.
258	11/19/2020 10:42 AM	Colton Hall	243	Surface of Desk	43	105	211	
259	11/19/2020 10:45 AM	Colton Hall	243	Surface of Desk Computer, Keyboard*	482	105	211	SARS-CoV-2 sample collected.
260	11/19/2020 10:46 AM	Colton Hall	243	Surface of Desk Computer, Mouse	147	105	211	
261	11/19/2020 10:46 AM	Colton Hall	243	Surface of Printer, Keypad	66	105	211	
262	11/19/2020 10:47 AM	Colton Hall	243	Surface of Phone Handset	117	105	211	
263	11/19/2020 10:47 AM	Colton Hall	243	Door Handle	33	105	211	Leading into Room 243.
264	11/19/2020 10:48 AM	Colton Hall	243	Door Handle	166	105	211	Leading into Room 200. SARS-CoV-2 sample collected.
265	11/19/2020 10:48 AM	Colton Hall	243	Light Switch	13	105	211	
266	11/19/2020 10:49 AM	Colton Hall	245	Surface of Desk	46	105	211	
267	11/19/2020 10:49 AM	Colton Hall	245	Surface of Desk Computer, Mouse	21	105	211	SARS-CoV-2 sample collected.
268	11/19/2020 10:50 AM	Colton Hall	245	Surface of Phone Handset	35	105	211	
269	11/19/2020 10:51 AM	Colton Hall	245	Surface of Conference Desk	41	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
270	11/19/2020 10:51 AM	Colton Hall	245	Door Handle	35	105	211	Leading into Room 245.
271	11/19/2020 10:52 AM	Colton Hall	245	Door Handle	2	105	211	Leading into Room 200. SARS-CoV-2 sample collected.
272	11/19/2020 10:53 AM	Colton Hall	245	Light Switch	43	105	211	
273	11/19/2020 10:56 AM	Colton Hall	202	Copy Machine, Start Button	165	105	211	
274	11/19/2020 10:57 AM	Colton Hall	202	Door Handle	19	105	211	Copy Room side of the door. SARS-CoV-2 sample collected.
275	11/19/2020 10:58 AM	Colton Hall	202	Door Handle	49	105	211	Hallway side of the door. SARS-CoV-2 sample collected.
276	11/19/2020 10:59 AM	Colton Hall	206	Faucet Handle	39	105	211	SARS-CoV-2 sample collected.
277	11/19/2020 10:59 AM	Colton Hall	206	Refrigerator Door Handle	40	105	211	
278	11/19/2020 11:43 AM	Honors College Residence Hall	111	Door Handle*	439	105	211	Lobby Side of the door. SARS-CoV-2 sample collected.
279	11/19/2020 11:43 AM	Honors College Residence Hall	105	Door Handle*	551	105	211	Elevator side of the door. SARS-CoV-2 sample collected.
280	11/19/2020 11:45 AM	Honors College Residence Hall	111	1 st Floor Elevator Call Button (Up)	123	105	211	
281	11/19/2020 11:47 AM	Honors College Residence Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button (Down)	43	105	211	Elevator Lobby Room 111 side of the building.
282	11/19/2020 11:48 AM	Honors College Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button (Down)	53	105	211	Elevator Lobby Room 111 side of the building.
283	11/19/2020 11:49 AM	Honors College Residence Hall	4 th Floor Hallway	4 th Floor Elevator Call Button (Down)	55	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
284	11/19/2020 11:50 AM	Honors College Residence Hall	5 th Floor Hallway	5 th Floor Elevator Call Button (Down)	51	105	211	Elevator Lobby Room 111 side of the building.
285	11/19/2020 11:51 AM	Honors College Residence Hall	6 th Floor Hallway	6 th Floor Elevator Call Button (Down)	61	105	211	Elevator Lobby Room 111 side of the building.
286	11/19/2020 11:52 AM	Honors College Residence Hall	105	1 st Floor Elevator Call Button (Up)	24	105	211	
287	11/19/2020 11:52 AM	Honors College Residence Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button (Down)	49	105	211	Elevator Lobby Room 105 side of the building.
288	11/19/2020 11:53 AM	Honors College Residence Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button (Down)	7	105	211	Elevator Lobby Room 105 side of the building.
289	11/19/2020 11:54 AM	Honors College Residence Hall	4 th Floor Hallway	4 th Floor Elevator Call Button (Down)	26	105	211	Elevator Lobby Room 105 side of the building.
290	11/19/2020 11:56 AM	Honors College Residence Hall	5 th Floor Hallway	5 th Floor Elevator Call Button (Down)	35	105	211	Elevator Lobby Room 105 side of the building.
291	11/19/2020 11:57 AM	Honors College Residence Hall	6 th Floor Hallway	6 th Floor Elevator Call Button (Down)	40	105	211	Elevator Lobby Room 105 side of the building.

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:

- Excluding the pre-cleaning samples, 20-out-of-279 representative ATP surface samples collected reported elevated ATP levels (7.2% of samples).
- Omega Environmental Services collected SARS-CoV-2 surface samples on all 20 representative surfaces with elevated ATP levels, that were not recleaned by NJIT Building Services.
- In the Wellness Entertainment Center, the average pre-cleaning ATP concentration was approximately 142 RLU, with 16.6% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration was 61.5 RLU, with an approximate 57% decrease in ATP concentrations.

Surface SARS-CoV-2 Swab Data: 11/17-11/19/2020

Sample No.	SARS-CoV-2 Swab Sample Locations	Result (Positive/Negative)
1	Kupfrian Hall, Room 208, Row 5, Seat 3, Table Surface	Negative
2	Faculty Memorial Hall (FMH), Room 314, Door Handle (Classroom Side)	Negative
3	Central King Building (CKB), Room 212, Row 2, Seat 3, Table Surface	Negative
4	Houten Library, Computer CA-1047-005, Mouse	Negative
5	Houten Library, Computer CA-1047-029, Mouse	Negative
6	Campus Center, 1 st Floor Sitting Area, ATM, Keypad	Negative
7	Campus Center, 1 st Floor Sitting Area, Drink Vending Machine, Keypad	Negative
8	Campus Center, 1 st Floor Sitting Area, Door Handle to Senate Office (Lobby Side)	Negative
9	Cypress Residence Hall, 1 st Floor Lobby, Door Handle to Elevators	Negative
10	Cypress Residence Hall, 1 st Floor Lobby, Door Push Bar to Exit	Negative
11	Cypress Residence Hall, 5 th Floor Elevator Call Button (Down)	Negative
12	Laurel (Extension) Residence Hall, 2 nd Floor Elevator Call Button (Down)	Negative
13	Laurel (Extension) Residence Hall, 4 th Floor Elevator Call Button (Down)	Negative
14	Laurel (Extension) Residence Hall, 5 th Floor Elevator Call Button (Down)	Negative
15	Laurel (Extension) Residence Hall, 6 th Floor Elevator Call Button (Down)	Negative
16	Laurel (Extension) Residence Hall, 7 th Floor Elevator Call Button (Down)	Negative
17	Laurel Residence Hall, 1 st Floor Lobby Door Handle to Exit, (Elevator Side)	Negative
18	Cullimore Hall, Room 103, Light Switch	Negative
19	Colton Hall, Room 200, Surface of Table 3	Negative
20	Colton Hall, Room 200, Hand Sanitizer Dispenser	Negative
21	Colton Hall, Room 200, Door Push Lever (Office Side)	Negative
22	Colton Hall, Room 200, Door Handle (Hallway Side)	Negative
23	Colton Hall, Room 200, Light Switch	Negative
24	Colton Hall, Room 243, Computer Keyboard*	Positive
25	Colton Hall, Room 243, Door Handle (Office No. 243 Side)	Negative
26	Colton Hall, Room 245, Computer Mouse	Negative
27	Colton Hall, Room 245, Door Handle (Office No. 245 Side)	Negative
28	Colton Hall, Room 202, Door Handle (Copy Room Side)	Negative
29	Colton Hall, Room 202, Door Handle (Hallway Side)	Negative
30	Colton Hall, Room 206, Faucet Handle	Negative
31	Honors College Residence Hall, Room 111, Elevator Lobby Door Handle (Lobby Side)	Negative
32	Honors College Residence Hall, Room 105, Elevator Lobby Door Handle (Elevator Side)	Negative

SARS-CoV-2 Air Sample Data: 11/17/20-11/19/20

Sample No.	SARS-CoV-2 Air Sample Locations	Result (Positive/Negative)
1	Life Sciences, Engineering Center, Room 102 (Science Commons)	Negative
2	Faculty Memorial Hall, Room 314	Negative
3	Tiernan Hall, Room 112	Negative
4	Kupfrian Hall, Room 208	Negative
5	GITC, Room 1400	Negative
6	Mechanical Engineering Center, Room 224	Negative
7	Cullimore Hall, Room 106	Negative
8	Central King Building (CKB), Room 212	Negative
9	Campus Center, 1 st Floor Sitting Area, near the Information Desk	Negative
10	Cypress Residence Hall, Lobby	Negative
11	Cypress Residence Hall, 2 nd Floor Hallway, near the elevator	Negative
12	Cypress Residence Hall, 4 th Floor Hallway, near the elevator	Negative
13	Cypress Residence Hall, 6 th Floor Hallway, near the elevator	Negative
14	Laurel Residence Hall, Vestibule	Negative
15	Laurel Residence Hall, 2 nd Floor Hallway, near the elevator	Negative
16	Laurel Residence Hall, 4 th Floor Hallway, near the elevator	Negative
17	Laurel (Extension) Residence Hall, 1 st Floor Hallway, near the elevator	Negative
18	Laurel (Extension) Residence Hall, 3 rd Floor Hallway, near the elevator	Negative
19	Laurel (Extension) Residence Hall, 5 th Floor Hallway, near the elevator	Negative
20	Laurel (Extension) Residence Hall, 7 th Floor Hallway, near the elevator	Negative
21	Colton Hall, Room 243	Negative
22	Wellness Entertainment Center (WEC), 2 nd Floor Fitness Center	Negative
23	Honors College Residence Hall, Lobby	Negative

Data Interpretation:

- Laboratory results indicate all of the SARS-CoV-2 air samples collected on 11/17/20, 11/18/20, and 11/19/2020 were negative.
- Laboratory results indicate the presence of the SARS-CoV-2 virus on 1-out-of-23 surfaces tested. The location of the positive sample is Colton Hall, Room 243, Computer Keyboard. Upon receiving the results Omega contacted The NJIT EH&S department to recommend recleaning the area and replacing the keyboard.

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: 20-1175

Sample date: 11-17-2020

Submittal date: 11-17-2020

Sample received: 11-18-2020

Samples submitted by: Ross Hernandez

Date analysis completed: November 19, 2020

Prestige Report number: 201118-02

RT-PCR 2019-nCoV: Analysis of Air samples for the detection of 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)	Conc. (copies of RNA/L)
201118-02-005 01 LSEC, Ground Fl Sitting Area, Room 102	ND	ND	ND	ND	NA
201118-02-006 02 FMH, Room 314	ND	ND	ND	ND	NA
201118-02-007 03 Tiernan Hall, Room 1121	ND	ND	ND	ND	NA
201118-02-008 04 Kupfrian Hall, Room 208	ND	ND	ND	ND	NA
201118-02-009 05 GITC, Room 1401	ND	ND	ND	ND	NA
201118-02-010 06 MEC, Room 224	ND	ND	ND	ND	NA

201118-02-011 07 Cullimore Hall, Room 106	ND	ND	ND	ND	NA
201118-02-012 08 CKB, Room 212	ND	ND	ND	ND	NA
201118-02-013 09 Campus Center, 1 st Fl by Information Desk	ND	ND	ND	ND	NA

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Prestige EnviroMicrobiology, Inc.

RT-PCR 2019-nCoV: Analysis of Swab samples for the detection of 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)	Conc. (copies of RNA/cm ²)
201118-02-014 01 Kupfrian Hall, Room 208, Row 5, Seat 3, Table Surface	ND	ND	ND	ND	NA
201118-02-015 02 FMH, Room 314, Door Handle (Classroom Side)	ND	ND	ND	ND	NA
201118-02-016 03 CKB, Room 212, Row 2, Seat 6, Table Surface	ND	ND	ND	ND	NA
201118-02-017 04 Houten Library, Computer CA-1047-005, Mouse	ND	ND	ND	ND	NA
201118-02-018 05 Houten Library, Computer CA-1047-029, Mouse	ND	ND	ND	ND	NA

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>

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Analytical Test Report

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

Client Project/Name: 20-1175

Sample date: 11-18-2020

Submittal date: 11-18-2020

Sample received: 11-19-2020

Samples submitted by: Ross Hernandez

Date analysis completed: November 20, 2020

Prestige Report number: 201119-02

RT-PCR 2019-nCoV: Analysis of Air samples for the detection of 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)	Conc. (copies of RNA/L)
201119-02-003 10 Cypress Hall, Lobby	ND	ND	ND	ND	NA
201119-02-004 11 Cypress Hall, 2 nd Fl Hallway, near the Elevator	ND	ND	ND	ND	NA
201119-02-005 12 Cypress Hall, 4 th Fl Hallway, near the Elevator	ND	ND	ND	ND	NA
201119-02-006 13 Cypress Hall, 6 th Fl Hallway, near the Elevator	ND	ND	ND	ND	NA
201119-02-007 14 Laurel Hall, Vestibule	ND	ND	ND	ND	NA
201119-02-008 15 Laurel Hall, 2 nd Fl Hallway near the Elevator	ND	ND	ND	ND	NA
201119-02-009 16 Laurel Hall, 4 th Fl Hallway near the Elevator	ND	ND	ND	ND	NA

201119-02-010 17 Laurel (Ext) Hall, 1 st Fl Hallway, near the Elevator	ND	ND	ND	ND	NA
201119-02-011 18 Laurel (Ext) Hall, 3 rd Fl Hallway, near the Elevator	ND	ND	ND	ND	NA
201119-02-012 19 Laurel (Ext) Hall, 5 th Fl Hallway, near the Elevator	ND	ND	ND	ND	NA
201119-02-013 20 Laurel (Ext) Hall, 7 th Fl Hallway, near the Elevator	ND	ND	ND	ND	NA

RT-PCR 2019-nCoV: Analysis of Swab samples for the detection of 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)	Conc. (copies of RNA/cm ²)
201119-02-014 06 Campus Center, 1 st Fl Sitting Area, ATM Machine, Keyboard	ND	ND	ND	ND	NA
201119-02-015 07 Campus Center, 1 st Fl Sitting Area, Drink Machine, Keyboard	ND	ND	ND	ND	NA
201119-02-016 08 Campus Center, 1 st Fl Sitting Area, Door to Senate Office (Lobby side)	ND	ND	ND	ND	NA
201119-02-017 09 Cypress Hall, 1 st Fl Lobby, Door Handle to Elevators	ND	ND	ND	ND	NA


201119-02-018 10 Cypress Hall, 1 st Fl Lobby, Door push Bar to Exit	ND	ND	ND	ND	NA
201119-02-019 11 Cypress Hall, 5 th Fl. Elevator Call Button (Down)	ND	ND	ND	ND	NA
201119-02-020 12 Laurel (Ext) Hall, 2 nd Fl, Elevator call Button (Down)	ND	ND	ND	ND	NA
201119-02-021 13 Laurel (Ext) Hall, 4 th Fl, Elevator call Button (Down)	ND	ND	ND	ND	NA
201119-02-022 14 Laurel (Ext) Hall, 5 th Fl, Elevator call Button (Down)	ND	ND	ND	ND	NA
201119-02-023 15 Laurel (Ext) Hall, 6 th Fl, Elevator call Button (Down)	ND	ND	ND	ND	NA
201119-02-024 16 Laurel (Ext) Hall, 7 th Fl, Elevator call Button (Down)	ND	ND	ND	ND	NA
201119-02-025 17 Laurel Hall, Lobby Door Handle to Exit, (Elevator side)	ND	ND	ND	ND	NA
201119-02-026 18 Cullimore Hall, Room 103, Light Switch	ND	ND	ND	ND	NA

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: 20-1175

Sample date: 11-19-2020

Submittal date: 11-19-2020

Sample received: 11-20-2020

Samples submitted by: Ross Hernandez

Date analysis completed: November 20, 2020

Prestige Report number: 201120-01

RT-PCR 2019-nCoV: Analysis of Air samples for the detection of 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)	Conc. (copies of RNA/L)
201120-01-001 21 Colton Hall, Room 243	ND	ND	ND	ND	NA
201120-01-002 22 WEC, 2 nd Floor Fitness Center	ND	ND	ND	ND	NA
201120-01-003 23 Honors College Hall, 1 st Fl Lobby	ND	ND	ND	ND	NA

RT-PCR 2019-nCoV: Analysis of Swab samples for the detection of 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)	Conc. (copies of RNA/cm ²)
201120-01-004 19 Colton Hall, Room 200, Surface of Table 3	ND	ND	ND	ND	NA
201120-01-005 20 Colton Hall, Room 200, Hand Sanitizer Dispenser	ND	ND	ND	ND	NA
201120-01-006 21 Colton Hall, Room 200, Door Push Lever, Office Side	ND	ND	ND	ND	NA

201120-01-007 22 Colton Hall, Room 200, Door Handle, Hallway Side	ND	ND	ND	ND	NA
201120-01-008 23 Colton Hall, Room 200, Light Switch	ND	ND	ND	ND	NA
201120-01-009 24 Colton Hall, Room 243, Keyboard	Positive	36.97	Positive	37.48	67
201120-01-010 25 Colton Hall, Room 243, Door Handle, Office 243 Side	ND	ND	ND	ND	NA
201120-01-011 26 Colton Hall, Room 245, Computer Mouse	ND	ND	ND	ND	NA
201120-01-012 27 Colton Hall, Room 245, Door Handle, Office 245 Side	ND	ND	ND	ND	NA
201120-01-013 28 Colton Hall, Room 202, Door Handle, Copy Room Side	ND	ND	ND	ND	NA
201120-01-014 29 Colton Hall, Room 202, Door Handle, Hallway Side	ND	ND	ND	ND	NA
201120-01-015 30 Colton Hall, Room 206, Faucet Handle	ND	ND	ND	ND	NA

201120-01-016 31 Honors College Hall, Room 111, Elevator Lobby Door Handle, Lobby Side	ND	ND	ND	ND	NA
201120-01-017 32 Honors College Hall, Room 105, Elevator Lobby Door Handle, Elevator Side	ND	ND	ND	ND	NA

Report approved:



Theresa Lehman, MPH, Lab Director

Technical Manager:



Chin S Yang, Ph.D.

Analyst: Ching-Yi Tsai, Ph.D.

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