



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: 11/23/20-11/24/2020

DATE OF REPORT: 11/25/2020 (Amended 11/30/20)

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

{Omega Project#: 20-1175}

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Executive Summary:

On 11/23/2020 and 11/24/2020, Omega Environmental Services conducted ATP surface testing and SARS-CoV-2 environmental sampling in The Life Science, Engineering Center (LSEC), Mechanical Engineering Center (MEC), Guttenberg Information Technologies Center (GITC), Central King Building (CKB), Tiernan Hall, Campus Center, Cullimore Hall, Kupfrian Hall, Faculty Memorial Hall (FMH), Redwood Residential Hall, Cypress Residential Hall, Houten Library, Wellness Entertainment Center (WEC), and Laurel Residential 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
Adenosine Triphosphate (ATP) Direct Reads: Bioluminescence Meter (Detects Bacteria and Bio-Load)	<ul style="list-style-type: none">• Excluding the pre-cleaning samples, 22-out-of-265 representative ATP surface samples collected reported elevated ATP levels (8.3% of samples).• Omega Environmental Services collected SARS-CoV-2 surface samples on all 22 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 was approximately 251 RLU, with 25% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration was 222 RLU, with an approximate 11.5% decrease in ATP concentrations.
Coronavirus-19 PCR Samples	<ul style="list-style-type: none">• Laboratory results indicate all the SARS-CoV-2 air samples collected on 11/23/20 and 11/24/20 were negative.• Laboratory results indicate the presence of the SARS-CoV-2 virus on 2-out-of-39 surfaces tested. The location of the positive sample is Colton Hall, Room 206, Refrigerator Handle and Colton Hall, Room 243, Chair Arm Rest. Upon receiving the results, Omega contacted the NJIT EH&S department• The Colton Hall refrigerator handle with the positive virus detection underwent decontamination using EPA approved biocide, followed by re-test that resulted in a negative result.

Please note, even though the SARS-CoV-2 virus was detected on a surface in Colton Hall, it does not mean there was a viral load large enough to infect a person present.

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	11/23/2020 8:30	LSEC	102	Surface of Table 2	94	105	211	
2	11/23/2020 8:31	LSEC	102	Surface of Table 3	21	105	211	
3	11/23/2020 8:32	LSEC	102	Surface of Table 4	7	105	211	
4	11/23/2020 8:32	LSEC	102	Surface of Table 5	28	105	211	
5	11/23/2020 8:33	LSEC	102	Surface of Table 6	55	105	211	
6	11/23/2020 8:34	LSEC	102	Surface of Table 7	24	105	211	
7	11/23/2020 8:34	LSEC	102	Surface of Table 8	79	105	211	
8	11/23/2020 8:35	LSEC	102	Surface of Table 9	21	105	211	
9	11/23/2020 8:35	LSEC	102	Surface of Table 10	43	105	211	
10	11/23/2020 8:36	LSEC	102	Surface of Table 11	19	105	211	
11	11/23/2020 8:36	LSEC	102	Surface of Table 12	16	105	211	
12	11/23/2020 8:37	LSEC	102	Surface of Table 13	14	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
13	11/23/2020 8:37	LSEC	102	Surface of Table 14	17	105	211	
14	11/23/2020 9:01	MEC	221	Surface of Row 1, Seat 1	17	105	211	
15	11/23/2020 9:02	MEC	221	Surface of Row 1, Seat 3	16	105	211	
16	11/23/2020 9:03	MEC	221	Surface of Row 1, Seat 7	26	105	211	
17	11/23/2020 9:03	MEC	221	Surface of Row 3, Seat 2	32	105	211	
18	11/23/2020 9:04	MEC	221	Surface of Row 3, Seat 5	39	105	211	
19	11/23/2020 9:05	MEC	221	Surface of Row 3, Seat 10	88	105	211	
20	11/23/2020 9:05	MEC	221	Surface of Row 5, Seat 4	109	105	211	
21	11/23/2020 9:06	MEC	221	Surface of Row 5, Seat 7	55	105	211	
22	11/23/2020 9:06	MEC	221	Surface of Row 5, Seat 11	55	105	211	
23	11/23/2020 9:07	MEC	221	Door Push Bar	43	105	211	Hallway side of the door. To the right of the instructor.
24	11/23/2020 9:08	MEC	221	Door Push Bar	2	105	211	Classroom side of the door. To the left of the instructor.
25	11/23/2020 9:08	MEC	221	Middle Light Switch	14	105	211	To the left of the instructor.
26	11/23/2020 9:30	GITC	3600	Surface of Row 1, Seat 1	1	105	211	
27	11/23/2020 9:31	GITC	3600	Surface of Row 1, Seat 4	1	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
28	11/23/2020 9:32	GITC	3600	Surface of Row 1, Seat 7	2	105	211	
29	11/23/2020 9:32	GITC	3600	Surface of Row 1, Seat 10	0	105	211	
30	11/23/2020 9:33	GITC	3600	Surface of Row 3, Seat 2	0	105	211	
31	11/23/2020 9:33	GITC	3600	Surface of Row 3, Seat 5	0	105	211	
32	11/23/2020 9:34	GITC	3600	Surface of Row 3, Seat 8	0	105	211	
33	11/23/2020 9:34	GITC	3600	Surface of Row 3, Seat 11	0	105	211	
34	11/23/2020 9:35	GITC	3600	Surface of Row 5, Seat 1	0	105	211	
35	11/23/2020 9:36	GITC	3600	Surface of Row 5, Seat 3	0	105	211	
36	11/23/2020 9:36	GITC	3600	Surface of Row 5, Seat 5	0	105	211	
37	11/23/2020 9:37	GITC	3600	Surface of Row 5, Seat 8	0	105	211	
38	11/23/2020 9:37	GITC	3600	Surface of Row 5, Seat 11	0	105	211	
39	11/23/2020 9:38	GITC	3600	Surface of Row 5, Seat 13	0	105	211	
40	11/23/2020 9:38	GITC	3600	Door Handle	0	105	211	To the left of the instructor. Classroom side of the door.
41	11/23/2020 9:39	GITC	3600	Right Light Switch	3	105	211	To the right of the instructor.
42	11/23/2020 10:13	CKB	116	Surface of Table 1, Seat 2	7	105	211	
43	11/23/2020 10:13	CKB	116	Surface of Table 1, Seat 4	3	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
44	11/23/2020 10:14	CKB	116	Surface of Table 2, Seat 1	17	105	211	
45	11/23/2020 10:15	CKB	116	Surface of Table 2, Seat 3	13	105	211	
46	11/23/2020 10:15	CKB	116	Surface of Table 3, Seat 2	7	105	211	
47	11/23/2020 10:16	CKB	116	Surface of Table 3, Seat 4	6	105	211	
48	11/23/2020 10:16	CKB	116	Surface of Table 4, Seat 1	4	105	211	
49	11/23/2020 10:17	CKB	116	Surface of Table 4, Seat 3	8	105	211	
50	11/23/2020 10:17	CKB	116	Surface of Table 5, Seat 2	4	105	211	
51	11/23/2020 10:18	CKB	116	Surface of Table 5, Seat 4	1	105	211	
52	11/23/2020 10:18	CKB	116	Surface of Table 6, Seat 1	5	105	211	
53	11/23/2020 10:19	CKB	116	Surface of Table 6, Seat 3	4	105	211	
54	11/23/2020 10:19	CKB	116	Surface of Table 7, Seat 2	9	105	211	
55	11/23/2020 10:20	CKB	116	Surface of Table 7, Seat 4	5	105	211	
56	11/23/2020 10:21	CKB	116	Surface of Table 8, Seat 1	6	105	211	
57	11/23/2020 10:21	CKB	116	Surface of Table 8, Seat 3	9	105	211	
58	11/23/2020 10:22	CKB	116	Door Handle	88	105	211	To the right of the instructor. Classroom side of the door.
59	11/23/2020 10:22	CKB	116	“On” Light Switch	5	105	211	To the left of the instructor.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
60	11/23/2020 10:43	Tiernan Hall	111	Surface of Row 1, Seat 1	30	105	211	
61	11/23/2020 10:43	Tiernan Hall	111	Surface of Row 1, Seat 2	18	105	211	
62	11/23/2020 10:44	Tiernan Hall	111	Surface of Row 1, Seat 3	25	105	211	
63	11/23/2020 10:45	Tiernan Hall	111	Surface of Row 3, Seat 1	32	105	211	
64	11/23/2020 10:45	Tiernan Hall	111	Surface of Row 3, Seat 2	34	105	211	
65	11/23/2020 10:46	Tiernan Hall	111	Surface of Row 3, Seat 3	11	105	211	
66	11/23/2020 10:46	Tiernan Hall	111	Surface of Row 3, Seat 4	3	105	211	
67	11/23/2020 10:47	Tiernan Hall	111	Surface of Row 5, Seat 1	31	105	211	
68	11/23/2020 10:47	Tiernan Hall	111	Surface of Row 5, Seat 2	29	105	211	
69	11/23/2020 10:48	Tiernan Hall	111	Surface of Row 5, Seat 3	22	105	211	
70	11/23/2020 10:49	Tiernan Hall	111	Surface of Row 5, Seat 4	38	105	211	
71	11/23/2020 10:49	Tiernan Hall	111	Door Handle	138	105	211	Classroom side of the door.
72	11/23/2020 10:50	Tiernan Hall	111	Left Light Switch	7	105	211	
73	11/23/2020 11:45	Campus Center	485 B	Surface of Conference Table, Seat 1	28	105	211	
74	11/23/2020 11:46	Campus Center	485 B	Surface of Conference Table, Seat 2	41	105	211	
75	11/23/2020 11:47	Campus Center	485 B	Surface of Conference Table, Seat 3	5	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
76	11/23/2020 11:47	Campus Center	485 B	Surface of Conference Table, Seat 4	13	105	211	
77	11/23/2020 11:48	Campus Center	485 B	Surface of Conference Table, Seat 5	55	105	211	
78	11/23/2020 11:48	Campus Center	485 B	Surface of Conference Table, Seat 6	38	105	211	
79	11/23/2020 11:48	Campus Center	485 B	Door Handle to Conference Room	25	105	211	Office side of the door. SARS-CoV-2 sample collected.
80	11/23/2020 11:49	Campus Center	485 B	Door Handle to Conference Room	7	105	211	Conference room side of the door.
81	11/23/2020 11:49	Campus Center	485 B	Conference Room Keurig, Interface	21	105	211	
82	11/23/2020 11:50	Campus Center	485 B	Door Handle to Room 485 B	140	105	211	Hallway side of the door.
83	11/23/2020 11:50	Campus Center	485 B	Door Handle to Room 485 B	186	105	211	Office side of the door. SARS-CoV-2 sample collected.
84	11/23/2020 11:50	Campus Center	485 B	Surface of Table 1, Computer Keyboard	43	105	211	SARS-CoV-2 sample collected.
85	11/23/2020 11:51	Campus Center	485 B	Surface of Table 1 Computer Mouse	12	105	211	
86	11/23/2020 11:51	Campus Center	485 B	Surface of Table 1, Phone Receiver	5	105	211	SARS-CoV-2 sample collected.
87	11/23/2020 11:52	Campus Center	485 B	Table 1, Top Drawer Handle	14	105	211	
88	11/23/2020 11:53	Campus Center	485 B	Surface of Toaster, Interface	108	105	211	Next to the supply closet. SARS-CoV-2 sample collected.
89	11/23/2020 11:53	Campus Center	485 B	Surface of Microwave, Interface	6	105	211	Next to the supply closet.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
90	11/23/2020 11:54	Campus Center	485 B	Supply Closet, Left Handle	36	105	211	From the perspective of facing towards the supply closet.
91	11/23/2020 11:54	Campus Center	485 B	Supply Closet, Right Handle	73	105	211	From the perspective of facing towards the supply closet.
92	11/23/2020 11:57	Campus Center	485 B	Light Switch	25	105	211	Next to the main entrance.
93	11/23/2020 11:58	Campus Center	485 B	Refrigerator Handle	2	105	211	Next to the supply closet.
94	11/23/2020 12:03	Campus Center	485 B	Surface of Table 1	14	105	211	
95	11/23/2020 13:56	Cullimore Hall	104	Surface of Row 1, Seat 2	3	105	211	
96	11/23/2020 13:56	Cullimore Hall	104	Surface of Row 1, Seat 4	2	105	211	
97	11/23/2020 13:57	Cullimore Hall	104	Surface of Row 1, Seat 7	4	105	211	
98	11/23/2020 13:58	Cullimore Hall	104	Surface of Row 1, Seat 10	8	105	211	
99	11/23/2020 13:59	Cullimore Hall	104	Surface of Row 3, Seat 1	3	105	211	
100	11/23/2020 14:00	Cullimore Hall	104	Surface of Row 3, Seat 5	17	105	211	
101	11/23/2020 14:00	Cullimore Hall	104	Surface of Row 3, Seat 8	4	105	211	
102	11/23/2020 14:01	Cullimore Hall	104	Surface of Row 3, Seat 10	5	105	211	
103	11/23/2020 14:02	Cullimore Hall	104	Surface of Row 5, Seat 1	5	105	211	
104	11/23/2020 14:02	Cullimore Hall	104	Surface of Row 5, Seat 4	2	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
105	11/23/2020 14:03	Cullimore Hall	104	Surface of Row 5, Seat 5	2	105	211	
106	11/23/2020 14:03	Cullimore Hall	104	Surface of Row 7, Seat 1	5	105	211	
107	11/23/2020 14:04	Cullimore Hall	104	Surface of Row 7, Seat 4	0	105	211	
108	11/23/2020 14:04	Cullimore Hall	104	Surface of Row 7, Seat 7	0	105	211	
109	11/23/2020 14:05	Cullimore Hall	104	Surface of Row 9, Seat 2	4	105	211	
110	11/23/2020 14:05	Cullimore Hall	104	Surface of Row 9, Seat 5	3	105	211	
111	11/23/2020 14:06	Cullimore Hall	104	Surface of Row 9, Seat 8	1	105	211	
112	11/23/2020 14:06	Cullimore Hall	104	Left Door Push Bar	7	105	211	To the right of the instructor.
113	11/23/2020 14:07	Cullimore Hall	104	Light Switch	45	105	211	To the right of the instructor.
114	11/23/2020 14:17	Kupfrian Hall	118	Surface of Row 1, Seat 1	17	105	211	
115	11/23/2020 14:18	Kupfrian Hall	118	Surface of Row 1, Seat 4	7	105	211	
116	11/23/2020 14:20	Kupfrian Hall	118	Surface of Row 1, Seat 6	14	105	211	
117	11/23/2020 14:20	Kupfrian Hall	118	Surface of Row 1, Seat 9	20	105	211	
118	11/23/2020 14:21	Kupfrian Hall	118	Surface of Row 1, Seat 12	50	105	211	
119	11/23/2020 14:21	Kupfrian Hall	118	Surface of Row 3, Seat 2	22	105	211	
120	11/23/2020 14:22	Kupfrian Hall	118	Surface of Row 3, Seat 5	24	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
121	11/23/2020 14:22	Kupfrian Hall	118	Surface of Row 3, Seat 7	20	105	211	
122	11/23/2020 14:23	Kupfrian Hall	118	Surface of Row 3, Seat 10	15	105	211	
123	11/23/2020 14:23	Kupfrian Hall	118	Surface of Row 3, Seat 13	24	105	211	
124	11/23/2020 14:24	Kupfrian Hall	118	Surface of Row 3, Seat 16	20	105	211	
125	11/23/2020 14:25	Kupfrian Hall	118	Surface of Row 3, Seat 19	20	105	211	
126	11/23/2020 14:25	Kupfrian Hall	118	Surface of Row 5, Seat 2	21	105	211	
127	11/23/2020 14:26	Kupfrian Hall	118	Surface of Row 5, Seat 5	15	105	211	
128	11/23/2020 14:26	Kupfrian Hall	118	Surface of Row 5, Seat 8	16	105	211	
129	11/23/2020 14:27	Kupfrian Hall	118	Surface of Row 5, Seat 9	9	105	211	
130	11/23/2020 14:27	Kupfrian Hall	118	Surface of Row 5, Seat 12	17	105	211	
131	11/23/2020 14:28	Kupfrian Hall	118	Surface of Row 5, Seat 15	23	105	211	
132	11/23/2020 14:28	Kupfrian Hall	118	Door Handle	88	105	211	To the left of the instructor. Classroom side of the door.
133	11/23/2020 14:29	Kupfrian Hall	118	Light Switch	39	105	211	To the left of the instructor. 3 rd light switch from the left.
134	11/23/2020 14:38	FMH	110	Surface of Row 1, Seat 1	3	105	211	
135	11/23/2020 14:38	FMH	110	Surface of Row 1, Seat 4	5	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
136	11/23/2020 14:39	FMH	110	Surface of Row 1, Seat 7	0	105	211	
137	11/23/2020 14:41	FMH	110	Surface of Row 2, Seat 3	7	105	211	
138	11/23/2020 14:41	FMH	110	Surface of Row 2, Seat 6	2	105	211	
139	11/23/2020 14:42	FMH	110	Surface of Row 2, Seat 9	4	105	211	
140	11/23/2020 14:42	FMH	110	Surface of Row 3, Seat 1	0	105	211	
141	11/23/2020 14:43	FMH	110	Surface of Row 3, Seat 4	8	105	211	
142	11/23/2020 14:43	FMH	110	Surface of Row 3, Seat 7	5	105	211	
143	11/23/2020 14:43	FMH	110	Surface of Row 4, Seat 3	4	105	211	
144	11/23/2020 14:44	FMH	110	Surface of Row 4, Seat 6	2	105	211	
145	11/23/2020 14:44	FMH	110	Surface of Row 4, Seat 9	3	105	211	
146	11/23/2020 14:45	FMH	110	Surface of Row 5, Seat 1	5	105	211	
147	11/23/2020 14:45	FMH	110	Surface of Row 5, Seat 4	5	105	211	
148	11/23/2020 14:45	FMH	110	Surface of Row 5, Seat 7	0	105	211	
149	11/23/2020 14:46	FMH	110	Door Handle	21	105	211	Classroom side of the door.
150	11/23/2020 14:46	FMH	110	Right Light Switch	15	105	211	
151	11/24/2020 8:42	Redwood Residential Hall	1 st Floor, Lobby	Door Handle to Lobby	106	105	211	Vestibule side of the door.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
152	11/24/2020 8:43	Redwood Residential Hall	1 st Floor, Lobby	Door Push Bar to Vestibule*	692	105	211	Lobby side of the door. SARS-CoV-2 sample collected.
153	11/24/2020 8:44	Redwood Residential Hall	1 st Floor, Lobby	Door Handle to Elevators*	406	105	211	Lobby side of the door. SARS-CoV-2 sample collected.
154	11/24/2020 8:45	Redwood Residential Hall	1 st Floor Hallway	1 st Floor Elevator 1 Call Button (Up)*	224	105	211	SARS-CoV-2 sample collected.
155	11/24/2020 8:46	Redwood Residential Hall	2 nd Floor Hallway	2 nd Floor Elevator 1 Call Button (Down)*	232	105	211	SARS-CoV-2 sample collected.
156	11/24/2020 8:47	Redwood Residential Hall	3 rd Floor Hallway	3 rd Floor Elevator 1 Call Button (Down)	154	105	211	
157	11/24/2020 8:47	Redwood Residential Hall	4 th Floor Hallway	4 th Floor Elevator 1 Call Button (Down)	97	105	211	
158	11/24/2020 8:48	Redwood Residential Hall	5 th Floor Hallway	5 th Floor Elevator 1 Call Button (Down)*	885	105	211	SARS-CoV-2 sample collected.
159	11/24/2020 8:49	Redwood Residential Hall	6 th Floor Hallway	6 th Floor Elevator 1 Call Button (Down)*	273	105	211	SARS-CoV-2 sample collected.
160	11/24/2020 8:49	Redwood Residential Hall	1 st Floor Hallway	1 st Floor Elevator 2 Call Button (Up)	153	105	211	
161	11/24/2020 8:50	Redwood Residential Hall	2 nd Floor Hallway	2 nd Floor Elevator 2 Call Button (Down)	110	105	211	
162	11/24/2020 8:50	Redwood Residential Hall	3 rd Floor Hallway	3 rd Floor Elevator 2 Call Button (Down)	103	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
163	11/24/2020 8:52	Redwood Residential Hall	4th Floor Hallway	4th Floor Elevator 2 Call Button (Down)	80	105	211	
164	11/24/2020 8:52	Redwood Residential Hall	5th Floor Hallway	5th Floor Elevator 2 Call Button (Down)	137	105	211	
165	11/24/2020 8:53	Redwood Residential Hall	6th Floor Hallway	6th Floor Elevator 2 Call Button (Down)*	385	105	211	SARS-CoV-2 sample collected.
166	11/24/2020 8:54	Redwood Residential Hall	1st Floor Kitchen	Microwave Handle	189	105	211	
167	11/24/2020 8:55	Redwood Residential Hall	1st Floor Kitchen	Refrigerator Handle*	1,171	105	211	SARS-CoV-2 sample collected.
168	11/24/2020 9:15	Cypress Residential Hall	1st Floor Lobby	Door Handle to Lobby*	541	105	211	Vestibule side of the door. SARS-CoV-2 sample collected.
169	11/24/2020 9:15	Cypress Residential Hall	1st Floor Lobby	Door Push Bar to Vestibule*	407	105	211	Lobby side of the door. SARS-CoV-2 sample collected.
170	11/24/2020 9:16	Cypress Residential Hall	1st Floor Lobby	Door Handle to Elevators*	1,255	105	211	Lobby side of the door. SARS-CoV-2 sample collected.
171	11/24/2020 9:17	Cypress Residential Hall	1st Floor Hallway	1st Floor Elevator Call Button (Up)	63	105	211	
172	11/24/2020 9:18	Cypress Residential Hall	2nd Floor Hallway	2nd Floor Elevator Call Button (Down)	85	105	211	
173	11/24/2020 9:18	Cypress Residential Hall	3rd Floor Hallway	3rd Floor Elevator Call Button (Down)*	336	105	211	SARS-CoV-2 sample collected.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
174	11/24/2020 9:19	Cypress Residential Hall	4th Floor Hallway	4th Floor Elevator Call Button (Down)*	1,858	105	211	SARS-CoV-2 sample collected.
175	11/24/2020 9:20	Cypress Residential Hall	5th Floor Hallway	5th Floor Elevator Call Button (Down)	143	105	211	
176	11/24/2020 9:20	Cypress Residential Hall	6th Floor Hallway	6th Floor Elevator Call Button (Down)	135	105	211	
177	11/24/2020 9:21	Cypress Residential Hall	7th Floor Hallway	7th Floor Elevator Call Button (Down)	140	105	211	
178	11/24/2020 9:22	Cypress Residential Hall	8th Floor Hallway	8th Floor Elevator Call Button (Down)	127	105	211	
179	11/24/2020 9:51	Houten Library	1st Floor Sitting Area	Computer CA-1047-001, Keyboard	85	105	211	
180	11/24/2020 9:52	Houten Library	1st Floor Sitting Area	Computer CA-1047-005, Mouse	119	105	211	
181	11/24/2020 9:52	Houten Library	1st Floor Sitting Area	Computer CA-1047-007, Keyboard	55	105	211	
182	11/24/2020 9:53	Houten Library	1st Floor Sitting Area	Computer CA-1047-009, Mouse	133	105	211	
183	11/24/2020 9:54	Houten Library	1st Floor Sitting Area	Computer CA-1047-012, Keyboard	8	105	211	
184	11/24/2020 9:55	Houten Library	1st Floor Sitting Area	Computer CA-1047-014, Mouse	76	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
185	11/24/2020 9:55	Houten Library	1 st Floor Sitting Area	Computer CA-1047-016, Keyboard	35	105	211	
186	11/24/2020 9:57	Houten Library	1 st Floor Sitting Area	Computer CA-1047-020, Mouse	46	105	211	
187	11/24/2020 9:58	Houten Library	1 st Floor Sitting Area	Computer CA-1047-023, Keyboard*	234	105	211	SARS-CoV-2 sample collected.
188	11/24/2020 9:58	Houten Library	1 st Floor Sitting Area	Computer CA-1047-025, Mouse	26	105	211	
189	11/24/2020 9:59	Houten Library	1 st Floor Sitting Area	Computer CA-1047-027, Keyboard	12	105	211	
190	11/24/2020 10:01	Houten Library	1 st Floor Sitting Area	Computer CA-1047-029, Mouse	87	105	211	
191	11/24/2020 10:01	Houten Library	1 st Floor Sitting Area	Computer CA-1047-032, Keyboard	57	105	211	
192	11/24/2020 10:02	Houten Library	1 st Floor Sitting Area	Computer CA-1047-034, Mouse	60	105	211	
193	11/24/2020 10:02	Houten Library	1 st Floor Sitting Area	Computer CA-1047-036, Keyboard	18	105	211	
194	11/24/2020 10:03	Houten Library	1 st Floor Sitting Area	Computer CA-1047-039, Mouse	46	105	211	
195	11/24/2020 10:04	Houten Library	1 st Floor Sitting Area	Computer CA-1047-041, Keyboard	21	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
196	11/24/2020 10:05	Houten Library	1 st Floor Sitting Area	Computer CA-1047-043, Mouse	59	105	211	
197	11/24/2020 10:05	Houten Library	1 st Floor Sitting Area	Computer CA-1047-047, Keyboard	18	105	211	
198	11/24/2020 10:06	Houten Library	1 st Floor Sitting Area	Computer CA-1047-048, Mouse	44	105	211	
199	11/24/2020 10:07	Houten Library	1 st Floor Sitting Area	Computer CA-1047-052, Keyboard	32	105	211	
200	11/24/2020 10:07	Houten Library	1 st Floor Sitting Area	Computer CA-1047-054, Mouse	30	105	211	
201	11/24/2020 10:08	Houten Library	1 st Floor Sitting Area	Computer CA-1047-056, Keyboard*	1,010	105	211	SARS-CoV-2 sample collected.
202	11/24/2020 10:09	Houten Library	1 st Floor Sitting Area	Computer CA-1047-058, Mouse	89	105	211	
203	11/24/2020 10:10	Houten Library	1 st Floor Sitting Area	Computer CA-1047-060, Keyboard	4	105	211	
204	11/24/2020 10:10	Houten Library	1 st Floor Sitting Area	Computer CA-1047-063, Mouse	77	105	211	
205	11/24/2020 10:11	Houten Library	1 st Floor Sitting Area	Computer CA-1047-065, Keyboard	8	105	211	
206	11/24/2020 10:11	Houten Library	1 st Floor Sitting Area	Computer CA-1047-068, Mouse	44	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
207	11/24/2020 10:12	Houten Library	1 st Floor Sitting Area	Computer CA-1047-070, Keyboard	81	105	211	
208	11/24/2020 10:12	Houten Library	1 st Floor Sitting Area	Computer CA-1047-072, Mouse	61	105	211	
209	11/24/2020 10:13	Houten Library	1 st Floor Sitting Area	Computer CA-1047-074, Keyboard	30	105	211	
210	11/24/2020 10:39	WEC	2 nd Floor Fitness Center	Door Pull Bar	12	105	211	Pre-cleaning sample.
211	11/24/2020 10:40	WEC	2 nd Floor Fitness Center	Door Push Bar	77	105	211	Pre-cleaning sample.
212	11/24/2020 10:40	WEC	2 nd Floor Fitness Center	Pull-Up Machine, Right Handle	58	105	211	Pre-cleaning sample. Closest to the back mirror.
213	11/24/2020 10:41	WEC	2 nd Floor Fitness Center	Smith Machine Bar, Right Side*	1,633	105	211	Pre-cleaning sample. 3 rd machine from the left.
214	11/24/2020 10:41	WEC	2 nd Floor Fitness Center	20 lb Dumbbell*	255	105	211	Pre-cleaning sample.
215	11/24/2020 10:42	WEC	2 nd Floor Fitness Center	12.5 lb Dumbbell	51	105	211	Pre-cleaning sample.
216	11/24/2020 10:43	WEC	2 nd Floor Fitness Center	Stairmaster 1, Interface	177	105	211	Pre-cleaning sample.
217	11/24/2020 10:43	WEC	2 nd Floor Fitness Center	Row Machine, Left Handle	30	105	211	Pre-cleaning sample.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
218	11/24/2020 10:44	WEC	2 nd Floor Fitness Center	Triceps Extension Machine, Left Handle	30	105	211	Pre-cleaning sample.
219	11/24/2020 10:45	WEC	2 nd Floor Fitness Center	Dip Machine, Left Handle	188	105	211	Pre-cleaning sample.
220	11/24/2020 10:45	WEC	2 nd Floor Fitness Center	Treadmill 5, Interface*	406	105	211	Pre-cleaning sample.
221	11/24/2020 10:46	WEC	2 nd Floor Fitness Center	Treadmill 9, Interface	92	105	211	Pre-cleaning sample.
222	11/24/2020 11:07	WEC	2 nd Floor Fitness Center	Smith Machine Bar, Right Side*	559	105	211	Test No. 213 post-cleaning sample.
223	11/24/2020 11:08	WEC	2 nd Floor Fitness Center	20 lb Dumbbell*	483	105	211	Test No. 214 post-cleaning sample.
224	11/24/2020 11:09	WEC	2 nd Floor Fitness Center	Treadmill 5, Interface	32	105	211	Test No. 220 post-cleaning sample.
225	11/24/2020 11:09	WEC	2 nd Floor Fitness Center	Smith Machine Bar, Right Side	2	105	211	Test No. 222, second post- cleaning sample.
226	11/24/2020 11:11	WEC	2 nd Floor Fitness Center	20 lb Dumbbell	34	105	211	Test No. 223, second post- cleaning sample.
227	11/24/2020 13:20	Laurel Residential Hall	1 st Floor, Lobby	Door Handle to Lobby*	1,184	105	211	Vestibule side of the door. SARS-CoV-2 sample collected.
228	11/24/2020 13:20	Laurel Residential Hall	1 st Floor, Lobby	Door Handle to Vestibule	93	105	211	Lobby side of the door.

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
229	11/24/2020 13:21	Laurel Residential Hall	1 st Floor, Lobby	Door Handle to Elevators*	334	105	211	Lobby side of the door. SARS-CoV-2 sample collected.
230	11/24/2020 13:22	Laurel Residential Hall	1 st Floor, Lobby	Door Handle to Lobby	43	105	211	Elevator side of the door.
231	11/24/2020 13:23	Laurel (Ext) Residential Hall	1 st Floor Hallway	1 st Floor Elevator Call Button (Up)	160	105	211	
232	11/24/2020 13:23	Laurel (Ext) Residential Hall	2 nd Floor Hallway	2 nd Floor Elevator Call Button (Down)	63	105	211	
233	11/24/2020 13:24	Laurel (Ext) Residential Hall	3 rd Floor Hallway	3 rd Floor Elevator Call Button (Down)*	309	105	211	SARS-CoV-2 sample collected.
234	11/24/2020 13:24	Laurel (Ext) Residential Hall	4 th Floor Hallway	4 th Floor Elevator Call Button (Down)	77	105	211	
235	11/24/2020 13:25	Laurel (Ext) Residential Hall	5 th Floor Hallway	5 th Floor Elevator Call Button (Down)*	248	105	211	SARS-CoV-2 sample collected.
236	11/24/2020 13:26	Laurel (Ext) Residential Hall	6 th Floor Hallway	6 th Floor Elevator Call Button (Down)*	218	105	211	SARS-CoV-2 sample collected.
237	11/24/2020 13:26	Laurel (Ext) Residential Hall	7 th Floor Hallway	7 th Floor Elevator Call Button (Down)*	443	105	211	SARS-CoV-2 sample collected.
238	11/24/2020 13:58	Campus Center	B35	Surface of Column 1, Seat 1*	462	105	211	SARS-CoV-2 sample collected.
239	11/24/2020 13:59	Campus Center	B35	Surface of Column 1, Seat 2	4	105	211	
240	11/24/2020 14:00	Campus Center	B35	Surface of Column 1, Seat 3	3	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
241	11/24/2020 14:00	Campus Center	B35	Surface of Column 2, Seat 1	5	105	211	
242	11/24/2020 14:01	Campus Center	B35	Surface of Column 2, Seat 2	27	105	211	
243	11/24/2020 14:02	Campus Center	B35	Surface of Column 2, Seat 3	42	105	211	
244	11/24/2020 14:02	Campus Center	B35	Surface of Column 3, Seat 1	62	105	211	
245	11/24/2020 14:02	Campus Center	B35	Surface of Column 3, Seat 2	23	105	211	
246	11/24/2020 14:03	Campus Center	B35	Surface of Column 3, Seat 3	101	105	211	
247	11/24/2020 14:03	Campus Center	B35	Surface of Column 3, Seat 4	110	105	211	
248	11/24/2020 14:04	Campus Center	B35	Surface of Column 3, Seat 5	40	105	211	
249	11/24/2020 14:04	Campus Center	B35	Surface of Column 3, Seat 6	8	105	211	
250	11/24/2020 14:05	Campus Center	B35	Surface of Column 4, Seat 1	58	105	211	
251	11/24/2020 14:05	Campus Center	B35	Surface of Column 4, Seat 2	57	105	211	
252	11/24/2020 14:06	Campus Center	B35	Surface of Column 4, Seat 3	31	105	211	
253	11/24/2020 14:07	Campus Center	B35	Surface of Column 4, Seat 4	61	105	211	
254	11/24/2020 14:07	Campus Center	B35	Surface of Column 4, Seat 5	57	105	211	
255	11/24/2020 14:08	Campus Center	B35	Surface of Column 5, Seat 1	59	105	211	
256	11/24/2020 14:08	Campus Center	B35	Surface of Column 5, Seat 2	53	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
257	11/24/2020 14:09	Campus Center	B35	Surface of Column 5, Seat 3	54	105	211	
258	11/24/2020 14:09	Campus Center	B35	Surface of Column 5, Seat 4	52	105	211	
259	11/24/2020 14:10	Campus Center	B35	Surface of Column 5, Seat 5	7	105	211	
260	11/24/2020 14:11	Campus Center	B35	Surface of Column 6, Seat 1	30	105	211	
261	11/24/2020 14:11	Campus Center	B35	Surface of Column 6, Seat 2	35	105	211	
262	11/24/2020 14:12	Campus Center	B35	Surface of Column 6, Seat 3	8	105	211	
263	11/24/2020 14:12	Campus Center	B35	Surface of Column 7, Seat 1	15	105	211	
264	11/24/2020 14:13	Campus Center	B35	Surface of Column 7, Seat 1	15	105	211	
265	11/24/2020 14:14	Campus Center	B35	Surface of Column 7, Seat 1	3	105	211	
266	11/24/2020 14:15	Campus Center	B35	Surface of Column 7, Seat 1	10	105	211	
267	11/24/2020 14:15	Campus Center	B35	Surface of Column 8, Seat 1	36	105	211	
268	11/24/2020 14:16	Campus Center	B35	Surface of Column 8, Seat 2	10	105	211	
269	11/24/2020 14:17	Campus Center	B35	Surface of Column 8, Seat 3	4	105	211	
270	11/24/2020 14:26	Cullimore Hall	111	Surface of Row 1, Seat 1	5	105	211	
271	11/24/2020 14:26	Cullimore Hall	111	Surface of Row 1, Seat 4	4	105	211	
272	11/24/2020 14:27	Cullimore Hall	111	Surface of Row 1, Seat 7	11	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
273	11/24/2020 14:27	Cullimore Hall	111	Surface of Row 2, Seat 3	8	105	211	
274	11/24/2020 14:27	Cullimore Hall	111	Surface of Row 2, Seat 6	35	105	211	
275	11/24/2020 14:28	Cullimore Hall	111	Surface of Row 2, Seat 9	11	105	211	
276	11/24/2020 14:29	Cullimore Hall	111	Surface of Row 3, Seat 1	28	105	211	
277	11/24/2020 14:29	Cullimore Hall	111	Surface of Row 3, Seat 4	5	105	211	
278	11/24/2020 14:30	Cullimore Hall	111	Surface of Row 3, Seat 7	6	105	211	Classroom side of the door.
279	11/24/2020 14:30	Cullimore Hall	111	Surface of Row 4, Seat 3	12	105	211	
280	11/24/2020 14:31	Cullimore Hall	111	Surface of Row 4, Seat 6	24	105	211	
281	11/24/2020 14:31	Cullimore Hall	111	Door Handle	64	105	211	
282	11/24/2020 14:31	Cullimore Hall	111	Left Light Switch	185	105	211	

Field Notes

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

Data Interpretation:

- Excluding the pre-cleaning samples, 22-out-of-265 representative ATP surface samples collected reported elevated ATP levels (8.3% of samples).
- Omega Environmental Services collected SARS-CoV-2 surface samples on all 22 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 251 RLU, with 25% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration was 222 RLU, with an approximate 11.5% decrease in ATP concentrations.

Surface SARS-CoV-2 Swab Data: 11/23-11/24/2020

Sample No.	SARS-CoV-2 Swab Sample Locations	Result (Positive/Negative)
1	Campus Center, Room 485B, Main Entrance Door Handle, Office Side	Negative
2	Campus Center, Room 485B, Table 1, Computer Keyboard	Negative
3	Campus Center, Room 485B, Table 1, Phone Receiver	Negative
4	Campus Center, Room 485B, Toaster	Negative
5	Campus Center, Room 485B, Door Handle to Conference Room, Office Side	Negative
6	Campus Center, Room 485B, Conference Room Keurig Interface	Negative
7	Colton Hall, Room 243, Chair Arm Rest	Positive
8	Colton Hall, Room 243, Phone Receiver	Negative
9	Colton Hall, Room 243, Desk surface	Negative
10	Colton Hall, Room 243, Door Handle, Office Side	Negative
11	Colton Hall, Room 243, Door Handle, Reception Side	Negative
12	Colton Hall, Room 243, Top Drawer of Desk	Negative
13	Colton Hall, Room 200, Back Door Handle	Negative
14	Colton Hall, Room 206, Refrigerator Handle	Positive
15	Colton Hall, Room 206, Microwave Interface	Negative
16	Redwood Residential Hall, 1 st Floor Lobby, Door Push Bar to Vestibule, Lobby Side	Negative
17	Redwood Residential Hall, 1 st Floor Lobby, Door Handle to Elevators, Lobby Side	Negative
18	Redwood Residential Hall, 1 st Floor Hallway, Elevator 1 Call Button, Up	Negative
19	Redwood Residential Hall, 2 nd Floor Hallway, Elevator 1 Call Button, Down	Negative
20	Redwood Residential Hall, 5 th Floor Hallway, Elevator 1 Call Button, Down	Negative
21	Redwood Residential Hall, 6 th Floor Hallway, Elevator 1 Call Button, Down	Negative
22	Redwood Residential Hall, 6 th Floor Hallway, Elevator 2 Call Button, Down	Negative
23	Redwood Residential Hall, 1 st Floor Kitchen, Refrigerator Handle	Negative
24	Cypress Residential Hall, 1 st Floor, Door Handle to Lobby, Vestibule Side	Negative
25	Cypress Residential Hall, 1 st Floor, Door Push Bar to Vestibule, Lobby Side	Negative
26	Cypress Residential Hall, 1 st Floor Lobby, Door Handle to Elevators, Lobby Side	Negative
27	Cypress Residential Hall, 3 rd Floor hallway, Elevator Call Button, Down	Negative
28	Cypress Residential Hall, 4 th Floor Hallway, Elevator Call Button, Down	Negative
29	Houten Library, 1 st Floor Sitting Area, Computer CA-1047-023, Keyboard	Negative
30	Houten Library, 1 st Floor Sitting Area, Computer CA-1047-056, Keyboard	Negative

31	Laurel Residential Hall, 1 st Floor Door Handle to Lobby, Vestibule Side	Negative
32	Laurel Residential Hall, 1 st Floor Lobby, Door to Elevators, Lobby Side	Negative
33	Laurel (Extension) Residential Hall, 3 rd Floor Hallway, Elevator Call Button, Down	Negative
34	Laurel (Extension) Residential Hall, 5 th Floor Hallway, Elevator Call Button, Down	Negative
35	Laurel (Extension) Residential Hall, 6 th Floor Hallway, Elevator Call Button, Down	Negative
36	Laurel (Extension) Residential Hall, 7 th Floor Hallway, Elevator Call Button, Down	Negative
37	Campus Center, Room 35B, Surface of Column 1, Seat 1	Negative
38	Colton Hall, Room 206, Refrigerator Handle	Negative
39	Colton Hall, Room 206, Freezer Handle	Negative

SARS-CoV-2 Air Sample Data: 11/23/20-11/24/20

Sample No.	SARS-CoV-2 Air Sample Locations	Result (Positive/Negative)
1	Life Sciences, Engineering Center, Room 102 (Science Commons)	Negative
2	Mechanical Engineering Center (MEC), Room 221	Negative
3	Guttenberg Information Technologies Center (GITC), Room 3600	Negative
4	Central King Building (CKB), Room 116	Negative
5	Tiernan Hall, Room 111	Negative
6	Campus Center, Room 485B	Negative
7	Cullimore Hall, Room 104	Negative
8	Kupfrian Hall, Room 118	Negative
9	Faculty Memorial Hall (FMH), Room 110	Negative
10	Redwood Residential Hall, 1 st Floor Lobby	Negative
11	Redwood Residential Hall, 2 nd Floor Hallway, Near the Elevator	Negative
12	Redwood Residential Hall, 3 rd Floor Hallway, Near the Elevator	Negative
13	Redwood Residential Hall, 5 th Floor Hallway, Near the Elevator	Negative
14	Redwood Residential Hall, 6 th Floor Hallway, Near the Elevator	Negative
15	Cypress Residential Hall, 8 th Floor Hallway, Near the Elevator	Negative
16	Cypress Residential Hall, 7 th Floor Hallway, Near the Elevator	Negative
17	Cypress Residential Hall, 6 th Floor Hallway, Near the Elevator	Negative
18	Cypress Residential Hall, 5 th Floor Hallway, Near the Elevator	Negative
19	Cypress Residential Hall, 3 rd Floor Hallway, Near the Elevator	Negative
20	Cypress Residential Hall, 1 st Floor Lobby	Negative

Data Interpretation:

- Laboratory results indicate all the SARS-CoV-2 air samples collected on 11/23/20 and 11/24/20 were negative.
- Laboratory results indicate the presence of the SARS-CoV-2 virus on 2-out-of-39 surfaces tested. The location of the positive sample is Colton Hall, Room 206, Refrigerator Handle and Colton Hall, Room 243, Chair Arm Rest. Upon receiving the results, Omega contacted the NJIT EH&S department so that the area could be re-cleaned and resampled.
- The Colton Hall refrigerator handle with the positive virus detection underwent decontamination using EPA approved biocide, followed by re-test that resulted in a negative result.
- EH&S Department was contacted about the Colton Hall, Room 243, chair underwent decontamination and removed to storage.

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: 11-23-2020

Submittal date: 11-23-2020

Sample received: 11-24-2020

Samples submitted by: Ross Hernandez/Kadeem Hill

Date analysis completed: November 24, 2020

Prestige Report number: 201120-01

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)
201124-01-016 07 Colton Hall, Room 243, Char Arm Rest	Positive	38.98	Positive	38.87	20
201124-01-017 08 Colton Hall, Room 243, Phone receiver	ND	ND	ND	ND	NA
201124-01-018 09 Colton Hall, Room 243, Desk Surface	ND	ND	ND	ND	NA
201124-01-019 10 Colton Hall, Room 243, Door Handle, Office Side	ND	ND	ND	ND	NA
201124-01-020 11 Colton Hall, Room 243, Door Handle, Reception Side	ND	ND	ND	ND	NA
201124-01-021 12 Colton Hall, Room 243, Top Drawer of Desk	ND	ND	ND	ND	NA

201124-01-022 13 Colton Hall, Room 200, Back Door Handle	ND	ND	ND	ND	NA
201124-01-023 14 Colton Hall, Room 206, Refrigerator Handle	Positive	38.56	Positive	39.10	19

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Prestige EnviroMicrobiology, Inc.

201124-01-024 15 Colton Hall, Room 200, Microwave Interface	ND	ND	ND	ND	NA
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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.
4. 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: 11-23-2020

Submittal date: 11-23-2020

Sample received: 11-24-2020

Samples submitted by: Ross Hernandez/Kadeem Hill

Date analysis completed: November 25, 2020

Prestige Report number: 201124-01

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)
201124-01-001 01 LSEC, Ground Fl Sitting Area, Room 102	ND	ND	ND	ND	NA
201124-01-002 02 MEC, Room 221	ND	ND	ND	ND	NA
201124-01-003 03 GITC, Room 3600	ND	ND	ND	ND	NA
201124-01-004 04 CKB, Room 116	ND	ND	ND	ND	NA
201124-01-005 05 Tiernan Hall, Room 111	ND	ND	ND	ND	NA
201124-01-006 06 Campus Center, Room 485B	ND	ND	ND	ND	NA
201124-01-007 07 Cullimore Hall, Room 104	ND	ND	ND	ND	NA
201124-01-008 08 Kupfrian Hall, Room 118	ND	ND	ND	ND	NA
201124-01-009 09 FMH, Room 110	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)
201124-01-010 01 Campus Center, Room 485B, Main Entrance, Door Handle, Office Side	ND	ND	ND	ND	NA
201124-01-011 02 Campus Center, Room 485B, Table 1, Computer Keyboard	ND	ND	ND	ND	NA
201124-01-012 03 Campus Center, Room 485B, Table 1, Phone Receiver	ND	ND	ND	ND	NA
201124-01-013 04 Campus Center, Room 485B, Toaster	ND	ND	ND	ND	NA
201124-01-014 05 Campus Center, Room 485B, Door Handle to Conference Room, Office Side	ND	ND	ND	ND	NA
201124-01-015 06 Campus Center, Room 485B, Conference Room Kuerig Interface	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: 11-24-2020

Submittal date: 11-24-2020

Sample received: 11-25-2020

Samples submitted by: Ross Hernandez/Kadeem Hill

Date analysis completed: November 25, 2020

Prestige Report number: 201125-02

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)
201125-02-005 10 Redwood Hall, 1 st Floor, Lobby	ND	ND	ND	ND	NA
201125-02-006 11 Redwood Hall, 2 nd Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-007 12 Redwood Hall, 3 rd Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-008 13 Redwood Hall, 4 th Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-009 14 Redwood Hall, 5 th Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-010 15 Redwood Hall, 6 th Floor Hallway, near the Elevator	ND	ND	ND	ND	NA

201125-02-011 16 Cypress Hall, 8 th Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-012 17 Cypress Hall, 7 th Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-013 18 Cypress Hall, 6 th Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-014 19 Cypress Hall, 5 th Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-015 20 Cypress Hall, 3 rd Floor Hallway, near the Elevator	ND	ND	ND	ND	NA
201125-02-016 21 Cypress Hall, 1 st Floor 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)
201125-02-017 16 Redwood Hall, Lobby, Door Push Bar to Vestibule, Lobby Side	ND	ND	ND	ND	NA
201125-02-018 17 Redwood Hall, Lobby, Door Handle to Elevators, Lobby Side	ND	ND	ND	ND	NA
201125-02-019 18 Redwood Hall, 1 st Floor Hallway, Elevator 1 Call Button, Up	ND	ND	ND	ND	NA

201125-02-020 19 Redwood Hall, 2 nd Floor Hallway, Elevator 1 Call Button, Down	ND	ND	ND	ND	NA
201125-02-021 20 Redwood Hall, 5 th Floor Hallway, Elevator 1 Call Button, Down	ND	ND	ND	ND	NA
201125-02-022 21 Redwood Hall, 6 th Floor Hallway, Elevator 1 Call Button, Down	ND	ND	ND	ND	NA

201125-02-023 22 Redwood Hall, 6 th Floor Hallway, Elevator 2 Call Button, Down	ND	ND	ND	ND	NA
201125-02-024 23 Redwood Hall, 1 st Floor Kitchen, Refrigerator Handle	ND	ND	ND	ND	NA
201125-02-025 24 Cypress Hall, 1 st Floor, Door Handle to Lobby, Vestibule Side	ND	ND	ND	ND	NA
201125-02-026 25 Cypress Hall, 1 st Floor, Door Push Bar to Vestibule, Lobby Side	ND	ND	ND	ND	NA
201125-02-027 26 Cypress Hall, 1 st Floor Lobby, Door Handle to Elevators, Lobby Side	ND	ND	ND	ND	NA

201125-02-028 27 Cypress Hall, 3 rd Floor Hallway, Elevator Call Button, Down	ND	ND	ND	ND	NA
201125-02-029 28 Cypress Hall, 4 th Floor Hallway, Elevator Call Button (Down)	ND	ND	ND	ND	NA
201125-02-030 29 Houten Library, Computer CA-1047-023, Keyboard	ND	ND	ND	ND	NA
201125-02-031 30 Houten Library, Computer CA-1047-056, Keyboard	ND	ND	ND	ND	NA
201125-02-032 31 Laurel Hall, 1 st Floor Door Handle to Lobby, Vestibule Side	ND	ND	ND	ND	NA
201125-02-033 32 Laurel Hall, 1 st Floor Lobby, Door to Elevators, Lobby Side	ND	ND	ND	ND	NA
201125-02-034 33 Laurel (Ext) Hall, 3 rd Floor Elevator Call Button, Down	ND	ND	ND	ND	NA
201125-02-035 34 Laurel (Ext) Hall, 5 th Floor Elevator Call Button, Down	ND	ND	ND	ND	NA
201125-02-036 35 Laurel (Ext) Hall, 6 th Floor Elevator Call Button, Down	ND	ND	ND	ND	NA

201125-02-037 36 Laurel (Ext) Hall, 7 th Floor Elevator Call Button, Down	ND	ND	ND	ND	NA
201125-02-038 37 Campus Center, Room 35B, Column1, Seat 1	ND	ND	ND	ND	NA
201125-02-039 38 Colton Hall, Room 206, Refrigerator Handle	ND	ND	ND	ND	NA
201125-02-040 39 Colton Hall, Room 206, Freezer Handle	ND	ND	ND	ND	NA

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Technical Manager: _____



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