



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: 9/22-23/2020

DATE OF REPORT: 9/25/2020

REPORT PREPARED BY: Kadeem Hill

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

{Omega Project#: 20-1175}

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Executive Summary:

On 9/22/20 and 9/23/20 Omega Environmental Services conducted Coronavirus verification testing in the Central King Building, Weston Hall, Campus Center, Cypress Hall, and The William S. Guttenberg Information Technologies building of the NJIT campus. The purpose of this testing was to document adequate disinfection and cleaning by the NJIT maintenance staff.

Parameter	Results
Adenosine Triphosphate (ATP) Direct Reads: Bioluminescence Meter (Detects Bacteria and Bio-Load)	<ul style="list-style-type: none">•19 out of the 177 samples resulted in elevated ATP levels.•12 out of the 19 surfaces with elevated ATP levels were recleaned by NJIT Building Services and retested. Retest results indicated acceptable levels of ATP on all recleaned surfaces.•7 out of the 19 surfaces with elevated ATP levels were not recleaned but had COVID-19 surface sample taken instead.
Coronavirus-19 PCR Swab	<ul style="list-style-type: none">•Laboratory results indicates all the SARS-Cov-2 samples taken on 9/22/20 and 9/23/20 were negative.

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 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 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	ATP Result	Lower Control Limit	Upper Control Limit	Notes
1	9/22/2020	Central King Building (CKB)	Ground Floor Sitting Area Near Room G02	Table 1, Seat 1	30	105	211	
2	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Table 1, Seat 2	103	105	211	
3	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Table 2, Seat 3	18	105	211	
4	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Table 2, Seat 4	23	105	211	
5	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Table 3, Seat 1	11	105	211	
6	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Table 3, Seat 2	5	105	211	
7	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Table 3, Seat 3	16	105	211	
8	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Table 3, Seat 4	9	105	211	

9	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Round Table 1	36	105	211	
10	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Round Table 3	42	105	211	
11	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Round Table 4	65	105	211	
12	9/22/2020	CKB	Ground Floor Sitting Area Near Room G02	Elevator Call Button	139	105	211	
13	9/22/2020	Weston Hall	510	Table 1, Seat 1	104	105	211	
14	9/22/2020	Weston Hall	510	Table 1, Seat 3	38	105	211	
15	9/22/2020	Weston Hall	510	Table 2, Seat 1	31	105	211	
16	9/22/2020	Weston Hall	510	Table 2, Seat 5	133	105	211	
17	9/22/2020	Weston Hall	510	Table 3, Seat 1*	260	105	211	Omega contacted NJIT building services for a reclean
18	9/22/2020	Weston Hall	510	Table 3, Seat 3	170	105	211	
19	9/22/2020	Weston Hall	510	Table 3, Seat 6	111	105	211	
20	9/22/2020	Weston Hall	510	Table 5, Seat 1*	955	105	211	Omega contacted NJIT building services for a reclean
21	9/22/2020	Weston Hall	510	Table 5, Seat 6	65	105	211	
22	9/22/2020	Weston Hall	510	Table 6, Seat 3*	1147	105	211	Omega contacted NJIT building services for a reclean
23	9/22/2020	Weston Hall	510	Table 6, Seat 4	45	105	211	

24	9/22/2020	Weston Hall	510	Table 6, Seat 9*	388	105	211	Omega contacted NJIT building services for a reclean
25	9/22/2020	Weston Hall	510	Table 7, Seat 1*	270	105	211	Omega contacted NJIT building services for a reclean
26	9/22/2020	Weston Hall	510	Table 8, Seat 1*	311	105	211	Omega contacted NJIT building services for a reclean
27	9/22/2020	Weston Hall	510	Table 8, Seat 3	93	105	211	
28	9/22/2020	Weston Hall	510	Table 1, Seat 1	12	105	211	Test No. 13 Retest
29	9/22/2020	Weston Hall	510	Table 3, Seat 1	6	105	211	Test No. 17 Retest
30	9/22/2020	Weston Hall	510	Table 3, Seat 6	29	105	211	Test No. 19 Retest
31	9/22/2020	Weston Hall	510	Table 3, Seat 3	9	105	211	Test No. 18 Retest
32	9/22/2020	Weston Hall	510	Table 5, Seat 1	247	105	211	Test No. 20 Retest
33	9/22/2020	Weston Hall	510	Table 6, Seat 3	8	105	211	Test No. 22 Retest
34	9/22/2020	Weston Hall	510	Table 8, Seat 9	42	105	211	
35	9/22/2020	Weston Hall	510	Table 7, Seat 1	50	105	211	
36	9/22/2020	Weston Hall	510	Table 8, Seat 1	34	105	211	Test No. 26 Retest
37	9/22/2020	Weston Hall	510	Door Push Bar - Classroom Side	23	105	211	
38	9/22/2020	Weston Hall	510	Table 5, Seat 1	14	105	211	Test No. 20 Retest

39	9/22/2020	Guttenberg Information Technologies Center (GITC)	3600	Extron Control Box	6	105	211	
40	9/22/2020	GITC	3600	Row 1, Seat 1	63	105	211	
41	9/22/2020	GITC	3600	Row 1, Seat 5	19	105	211	
42	9/22/2020	GITC	3600	Row 1, Seat 7	26	105	211	
43	9/22/2020	GITC	3600	Row 1, Seat 11	31	105	211	
44	9/22/2020	GITC	3600	Row 3, Seat 2	8	105	211	
45	9/22/2020	GITC	3600	Row 3, Seat 4	12	105	211	
46	9/22/2020	GITC	3600	Row 3, Seat 8	10	105	211	
47	9/22/2020	GITC	3600	Row 3, Seat 10	12	105	211	
48	9/22/2020	GITC	3600	Row 5, Seat 1	11	105	211	
49	9/22/2020	GITC	3600	Row 5, Seat 5	17	105	211	
50	9/22/2020	GITC	3600	Row 5, Seat 1	22	105	211	
51	9/22/2020	GITC	3600	Row 5, Seat 14	25	105	211	
52	9/22/2020	GITC	3600	Door Push Bar - Classroom Side	4	105	211	
53	9/22/2020	Weston Hall	556	Door Handle-Classroom Side	143	105	211	Omega requested a reclean of the surface
54	9/22/2020	Weston Hall	556	Table 1, Seat 1	24	105	211	
55	9/22/2020	Weston Hall	556	Table 1, Seat 3	23	105	211	
56	9/22/2020	Weston Hall	556	Table 3, Seat 4	5	105	211	
57	9/22/2020	Weston Hall	556	Table 3, Seat 6	22	105	211	
58	9/22/2020	Weston Hall	556	Table 4, Seat 3	6	105	211	
59	9/22/2020	Weston Hall	556	Table 2, Seat 3	10	105	211	
60	9/22/2020	Weston Hall	556	Door Handle-Classroom Side	57	105	211	Test No. 53 Retest

61	9/22/2020	Weston Hall	4th Floor Library	Round Table, Seat 3	89	105	211	
62	9/22/2020	Weston Hall	4th Floor Library	Round Table, Seat 6	26	105	211	
63	9/22/2020	Weston Hall	4th Floor Library	Round Table, Seat 8	10	105	211	
64	9/22/2020	Weston Hall	4th Floor Library	Window Table, Seat 5	37	105	211	
65	9/22/2020	Weston Hall	4th Floor Library	Column 1, Seat 7 Computer Mouse*	229	105	211	
66	9/22/2020	Weston Hall	4th Floor Library	Column 4, Seat 2, Computer Keyboard	76	105	211	
67	9/22/2020	Weston Hall	4th Floor Library	Column 1, Seat 7 Computer Mouse	57	105	211	Test No. 65 Retest
68	9/23/2020	Campus Center	Game Room	Pool Q #8, Handle	12	105	211	
69	9/23/2020	Campus Center	Game Room	Pool Q #16, Handle	21	105	211	
70	9/23/2020	Campus Center	Game Room	Pool Q #11, Handle	17	105	211	
71	9/23/2020	Campus Center	Game Room	Pool Q #5, Handle	17	105	211	
72	9/23/2020	Campus Center	Game Room	Pool Q #12, Handle*	238	105	211	Omega requested a reclean from the student staff members present
73	9/23/2020	Campus Center	Game Room	Front Desk - Computer Mouse*	221	105	211	Omega requested a reclean from the student staff members present
74	9/23/2020	Campus Center	Game Room	Front Desk - Keyboard	26	105	211	

75	9/23/2020	Campus Center	Game Room	Left Ping Pong Table	0	105	211	
76	9/23/2020	Campus Center	Game Room	Right Ping Pong Table	9	105	211	
77	9/23/2020	Campus Center	Game Room	Pool Q #12, Handle	60	105	211	Test No. 72 Retest
78	9/23/2020	Campus Center	Game Room	Front Desk - Computer Mouse	52	105	211	Test No. 73 Retest
79	9/23/2020	Campus Center	Game Room	Phone Receiver	26	105	211	
80	9/23/2020	Campus Center	Game Room	Pool Table # 4*	283	105	211	
81	9/23/2020	Campus Center	Game Room	Pool Table #3*	558	105	211	
82	9/23/2020	Campus Center	Game Room	Pool Table #4	30	105	211	Test No. 80 Retest
83	9/23/2020	Campus Center	Game Room	Pool Table #3	94	105	211	Test No. 81 Retest
84	9/23/2020	Campus Center	B-35	Column 2, Seat 1	93	105	211	
85	9/23/2020	Campus Center	B-35	Column 3, Seat 2	47	105	211	
86	9/23/2020	Campus Center	B-35	Column 4, Seat 4	160	105	211	
87	9/23/2020	Campus Center	B-35	Column 5, Seat 1	1	105	211	
88	9/23/2020	Campus Center	B-35	Door Push Bar - Classroom Side	106	105	211	
89	9/23/2020	Campus Center	B-35	Column 5, Seat 3	52	105	211	
90	9/23/2020	Campus Center	B-35	Column 5, Seat 5	47	105	211	

91	9/23/2020	Campus Center	B-35	Column 7, Seat 4	63	105	211	
92	9/23/2020	Campus Center	B-35	Column 8, Seat 2	45	105	211	
93	9/23/2020	Campus Center	B-35	Column 8, Seat 4	28	105	211	
94	9/23/2020	Campus Center	B-35	Column 10, Seat 4	61	105	211	
95	9/23/2020	Campus Center	B-35	Column 10, Seat 6	46	105	211	
96	9/23/2020	Tiernan Hall	107	Row 1, Seat 1	138	105	211	
97	9/23/2020	Tiernan Hall	107	Row 2, Seat 2*	475	105	211	COVID-19 Sample Taken
98	9/23/2020	Tiernan Hall	107	Row 2, Seat 3	38	105	211	
99	9/23/2020	Tiernan Hall	107	Row 3, Seat 5	60	105	211	
100	9/23/2020	Tiernan Hall	107	Row 4, Seat 3	52	105	211	
101	9/23/2020	Tiernan Hall	107	Row 5, Seat 5	64	105	211	
102	9/23/2020	Tiernan Hall	107	Row 6, Seat 1	89	105	211	
103	9/23/2020	Tiernan Hall	107	Row 7, Seat 3	36	105	211	
104	9/23/2020	Tiernan Hall	107	Row 8, Seat 3	15	105	211	
105	9/23/2020	Weston Hall	540	Table 1, Seat 1	42	105	211	
106	9/23/2020	Weston Hall	540	Table 1, Seat 2	16	105	211	
107	9/23/2020	Weston Hall	540	Table 1, Seat 3	97	105	211	
108	9/23/2020	Weston Hall	540	Table 2, Seat 1	27	105	211	
109	9/23/2020	Weston Hall	540	Table 3, Seat 1	16	105	211	
110	9/23/2020	Weston Hall	540	Table 3, Seat 3	26	105	211	
111	9/23/2020	Weston Hall	540	Light Surface	66	105	211	
112	9/23/2020	Weston Hall	540	Door Handle - Classroom Side	3	105	211	
113	9/23/2020	Weston Hall	3rd Floor Office Area	Seat 1 - Conference Table	114	105	211	

114	9/23/2020	Weston Hall	3rd Floor Office Area	Seat 4 - Conference Table	109	105	211	
115	9/23/2020	Weston Hall	3rd Floor Office Area	Seat 6 - Conference Table	116	105	211	
116	9/23/2020	Weston Hall	3rd Floor Office Area	Seat 9 - Conference Table	87	105	211	
117	9/23/2020	Cypress Hall	2nd Floor Lounge Westside (Bleeker St.)	Light Switch	11	105	211	
118	9/23/2020	Cypress Hall	2nd Floor Lounge Westside (Bleeker St.)	Faucet Handle	59	105	211	
119	9/23/2020	Cypress Hall	2nd Floor Lounge Westside (Bleeker St.)	Microwave Handle	134	105	211	
120	9/23/2020	Cypress Hall	2nd Floor Lounge Westside (Bleeker St.)	Tabletop	47	105	211	
121	9/23/2020	Cypress Hall	2nd Floor	Elevator Call Button (Down)*	235	105	211	COVID-19 Sample Taken
122	9/23/2020	Cypress Hall	2nd Floor Lounge East	Light Switch	50	105	211	
123	9/23/2020	Cypress Hall	2nd Floor Lounge East	Faucet Handle	78	105	211	
124	9/23/2020	Cypress Hall	2nd Floor Lounge East	Microwave Handle	101	105	211	
125	9/23/2020	Cypress Hall	2nd Floor Lounge East	Tabletop	112	105	211	
126	9/23/2020	Cypress Hall	2nd Floor	Bathroom Door Handle - Hallway side*	359	105	211	COVID-19 Sample Taken
127	9/23/2020	Cypress Hall	3rd Floor Lounge (West)	Light Switch	31	105	211	
128	9/23/2020	Cypress Hall	3rd Floor Lounge (West)	Faucet Handle	22	105	211	
129	9/23/2020	Cypress Hall	3rd Floor Lounge (West)	Microwave Handle	119	105	211	

130	9/23/2020	Cypress Hall	3rd Floor Lounge (West)	Tabletop	31	105	211	
131	9/23/2020	Cypress Hall	3rd Floor	Elevator Call Button - (Down)	129	105	211	
132	9/23/2020	Cypress Hall	3rd Floor Lounge (East)	Light Switch	16	105	211	
133	9/23/2020	Cypress Hall	3rd Floor Lounge (East)	Faucet Handle	3	105	211	
134	9/23/2020	Cypress Hall	3rd Floor Lounge (East)	Microwave Handle*	244	105	211	COVID-19 Sample Taken
135	9/23/2020	Cypress Hall	3rd Floor Lounge (East)	Tabletop	76	105	211	
136	9/23/2020	Cypress Hall	3rd Floor	Bathroom Door Handle - Hallway side	57	105	211	
137	9/23/2020	Cypress Hall	4th Floor Lounge (West)	Light Switch	54	105	211	
138	9/23/2020	Cypress Hall	4th Floor Lounge (West)	Faucet Handle	6	105	211	
139	9/23/2020	Cypress Hall	4th Floor Lounge (West)	Microwave Handle	9	105	211	
140	9/23/2020	Cypress Hall	4th Floor Lounge (West)	Tabletop - Square	19	105	211	
141	9/23/2020	Cypress Hall	4th Floor Lounge (West)	Tabletop - Round	102	105	211	
142	9/23/2020	Cypress Hall	4th Floor	Elevator Call Button (Down)*	202	105	211	COVID-19 Sample Taken
143	9/23/2020	Cypress Hall	4th Floor Lounge (East)	Light Switch	72	105	211	
144	9/23/2020	Cypress Hall	4th Floor Lounge (East)	Faucet Handle	31	105	211	
145	9/23/2020	Cypress Hall	4th Floor Lounge (East)	Microwave Handle	218	105	211	COVID-19 Sample Taken

146	9/23/2020	Cypress Hall	4th Floor Lounge (East)	Tabletop - Square	73	105	211	
147	9/23/2020	Cypress Hall	4th Floor	Bathroom Door Handle - Hallway side	158	105	211	
148	9/23/2020	Cypress Hall	5th Floor Lounge (West)	Light Switch	84	105	211	
149	9/23/2020	Cypress Hall	5th Floor Lounge (West)	Faucet Handle	79	105	211	
150	9/23/2020	Cypress Hall	5th Floor Lounge (West)	Microwave Handle*	376	105	211	COVID-19 Sample Taken
151	9/23/2020	Cypress Hall	5th Floor Lounge (West)	Tabletop	65	105	211	
152	9/23/2020	Cypress Hall	5th Floor	Elevator Call Button (Down)	80	105	211	
153	9/23/2020	Cypress Hall	5th Floor Lounge (East)	Light Switch	17	105	211	
154	9/23/2020	Cypress Hall	5th Floor Lounge (East)	Faucet Handle*	274	105	211	COVID-19 Sample Taken
155	9/23/2020	Cypress Hall	5th Floor Lounge (East)	Microwave Open Button	46	105	211	
156	9/23/2020	Cypress Hall	5th Floor Lounge (East)	Tabletop	102	105	211	
157	9/23/2020	Cypress Hall	5th Floor	Bathroom Door Handle - Hallway side	44	105	211	
158	9/23/2020	Cypress Hall	6th Floor Lounge (West)	Light Switch	15	105	211	
159	9/23/2020	Cypress Hall	6th Floor Lounge (West)	Faucet Handle	22	105	211	
160	9/23/2020	Cypress Hall	6th Floor Lounge (West)	Microwave Handle	157	105	211	
161	9/23/2020	Cypress Hall	6th Floor Lounge (West)	Tabletop	47	105	211	

162	9/23/2020	Cypress Hall	6th Floor	Elevator Call Button (Down)*	299	105	211	COVID-19 Sample Taken
163	9/23/2020	Cypress Hall	6th Floor Lounge (West)	Light Switch	38	105	211	
164	9/23/2020	Cypress Hall	6th Floor Lounge (East)	Faucet Handle	20	105	211	
165	9/23/2020	Cypress Hall	6th Floor Lounge (East)	Microwave Handle	38	105	211	
166	9/23/2020	Cypress Hall	6th Floor Lounge (East)	Tabletop	64	105	211	
167	9/23/2020	Cypress Hall	6th Floor	Bathroom Door Handle - Hallway side	13	105	211	
168	9/23/2020	Cypress Hall	7th Floor Lounge (West)	Light Switch	14	105	211	
169	9/23/2020	Cypress Hall	7th Floor Lounge (West)	Faucet	9	105	211	
170	9/23/2020	Cypress Hall	7th Floor Lounge (West)	Microwave Handle	43	105	211	
171	9/23/2020	Cypress Hall	7th Floor Lounge (West)	Tabletop	43	105	211	
172	9/23/2020	Cypress Hall	7th Floor	Elevator Call Button (Down)	118	105	211	
173	9/23/2020	Cypress Hall	7th Floor Lounge (East)	Light Switch	31	105	211	
174	9/23/2020	Cypress Hall	7th Floor Lounge (East)	Faucet Handle	116	105	211	
175	9/23/2020	Cypress Hall	7th Floor Lounge (East)	Microwave Handle	18	105	211	
176	9/23/2020	Cypress Hall	7th Floor Lounge (East)	Tabletop	87	105	211	
177	9/23/2020	Cypress Hall	7th Floor	Bathroom Door Handle - Hallway side	30	105	211	

Field Notes

- Seat numbering starts on the left side of the room, from the perspective on the instructor.
- Row A or Row 1 is the row closest to the instructor.
- All directions and labels are from the perspective of the instructor, looking towards the seats.
- Table seat number progresses counterclockwise
- Due to student use of the area, surface ATP testing could not be completed in Weston Hall, Room 524

Data Interpretation:

- 19 out of the 177 samples resulted in elevated ATP levels.
- 12 out of the 19 surfaces with elevated ATP levels were re-cleaned by NJIT Building Services and retested. Retest results indicated acceptable levels of ATP on all re-cleaned surfaces.
- 7 out of the 19 surfaces with elevated ATP levels were not re-cleaned but had COVID-19 surface sample taken instead.

Surface SARS-CoV-2 Swab Data: 9/22/20-9/23/20

Sample No.	SARS-CoV-2 Swab Sample Locations	Result (Positive/Negative)
1	CKB, Ground Floor Sitting Area, Table 1, Seat 2	Negative
2	CKB, Ground Floor, Elevator Call Button, Near Room G17	Negative
3	Weston Hall, Room 510, Table 1, Seat 1	Negative
4	Weston Hall, Room 510, Table 5, Seat 1	Negative
5	GITC, Room 3600, Row 01, Seat 01	Negative
6	Weston Hall, Room 556, Door Handle (Studio side)	Negative
7	Weston Hall, 4th Floor Library, Column 01, Table 01, Computer Mouse	Negative
8	Campus Center, Game Room, Pool Table 3	Negative
9	Campus Center, Game Room, Pool Table 4	Negative
10	Campus Center, Room B-35, Column 4, Seat 4	Negative
11	Campus Center, Room B-35, Door Push Bar	Negative
12	Tiernan Hall, Room 107, Row 1, Seat 1	Negative
13	Tiernan Hall, Room 107, Row 2, Seat 2	Negative
14	Weston Hall, 3rd Floor Office Area, Wooden Table, Seat 6	Negative
15	Cypress Hall, 2 nd Floor, Elevator Call Button (Down)	Negative
16	Cypress Hall, 2 nd Floor, Communal Bathroom, Door Handle (Hallway Side)	Negative
17	Cypress Hall, 3 rd Floor Lounge (East) Microwave Handle	Negative
18	Cypress Hall, 4 th Floor, Elevator Call Button (Down)	Negative
19	Cypress Hall, 4 th Floor Lounge (East), Microwave Handle	Negative
20	Cypress Hall, 5 th Floor Lounge (West), Microwave Open Button	Negative
21	Cypress Hall, 5 th Floor Lounge (East), Faucet Handle	Negative
22	Cypress Hall, 6 th Floor, Elevator Call Button (Down)	Negative
23	Cypress Hall, 7 th Floor, Elevator Call Button (Down)	Negative

SARS-CoV-2 Air Sample Data: 9/22/20-9/23/20

Sample No.	SARS-CoV-2 Air Sample Locations	Result (Positive/Negative)
1	CKB, Ground Floor Sitting Area (Near Rm. G02)	Negative
2	GITC, Room 3600	Negative
3	Weston Hall, Room 510, Studio Area	Negative
4	Campus Center, 1 st Floor, Main Sitting Area (Near ATM)	Negative

5	Weston 4 th Floor Library	Negative
6	Campus Center, Lower Level, Game Room	Negative
7	Weston Hall, Room 524 (Back of Studio)	Negative
8	Weston Hall, Room 524 (Front of Studio)	Negative
9	Weston Hall, 3rd Floor Office Area	Negative
10	Cypress Hall, 2 nd Floor, Hallway (Near the Elevator)	Negative
11	Cypress Hall, 5 th Floor, Hallway (Near the Elevator)	Negative
12	Cypress Hall, 7 th Floor, Hallway (Near the Elevator)	Negative
13	Cypress Hall, Ground Floor, Lobby	Negative

Data Interpretation:

- Laboratory results indicate all the SARS-Cov-2 samples taken on 9/22/20 and 9/23/20 were negative

Attachments:

Laboratory analysis reports with chain-of-custody

Prestige EnviroMicrobiology, Inc.

Analytical Test Report

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

Client Project/Name: 20-1175

Sample date: 9-22-2020

Submittal date: 9-22-2020

Sample received: 9-23-2020

Samples submitted by: Kadeem Hill

Date analysis completed: September 24, 2020

Prestige Report number: 200923-03

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/mL)
200923-03-006 01 CKB Ground Floor Sitting Area, Table 1, Seat B	ND	ND	ND	ND	NA
200923-03-007 02 Elevator Call Button	ND	ND	ND	ND	NA
200923-03-009 04 Weston Rm 510, Table 1, Seat 1	ND	ND	ND	ND	NA
200923-03-010 05 Weston Rm 510, Table 5, Seat 1	ND	ND	ND	ND	NA
200923-03-012 07 GITC Room 3600, Raw 01, Seat 01	ND	ND	ND	ND	NA
200923-03-015 10 Weston 556 Left Door Handle	ND	ND	ND	ND	NA
200923-03-017 12 Weston 4 th Floor Library, Computer 01, Column 01 Mouse	ND	ND	ND	ND	NA

Prestige EnviroMicrobiology, Inc.

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/mL)
200923-03-008 03 CKB Ground Floor Sitting Area	ND	ND	ND	ND	NA
200923-03-011 06 GITC Room 3600	ND	ND	ND	ND	NA
200923-03-013 08 Weston Room 510 Studio Area	ND	ND	ND	ND	NA
200923-03-014 09 Campus Center Main Sitting Area	ND	ND	ND	ND	NA
200923-03-016 11 Weston 4 th Floor Library	ND	ND	ND	ND	NA
200923-03-018 13 Campus Center Basement Rec Room	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.

- The samples in this report were received in good, acceptable conditions. Results relate only to the items tested.
- 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.
- 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.
- 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: 9-23-2020

Submittal date: 9-23-2020

Sample received: 9-24-2020

Samples submitted by: Kadeem Hill

Date analysis completed: September 25, 2020

Prestige Report number: 200924-02

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/mL)
200924-02-003 01 Pool Table 3 Campus Center	ND	ND	ND	ND	NA
200924-02-004 02 Pool Table 4 Campus Center	ND	ND	ND	ND	NA
200924-02-005 03 Campus Center Room B35, Column 4, Seat 4	ND	ND	ND	ND	NA
200924-02-006 04 Door Push Bar Classroom Side	ND	ND	ND	ND	NA
200924-02-007 05 Tiernan Hall, Room 107m Row 1, Seat 1	ND	ND	ND	ND	NA
200924-02-008 06 Tiernan Hall, Room 107, Row 2, Seat 2	ND	ND	ND	ND	NA
200924-02-009 07 Weston 3 rd Floor Office Area, Wooden Table Seat 6	ND	ND	ND	ND	NA
200924-02-015 13 2 nd Floor Cypress Down Elevator Call Button	ND	ND	ND	ND	NA
200924-02-016 14 2 nd Floor Communal Bathroom Door Handle	ND	ND	ND	ND	NA
200924-02-018 16 Cypress – 3 rd Floor East Lounge Microwave Handle	ND	ND	ND	ND	NA

200924-02-019 17 Cypress – 4 th Floor Elevator Call Button (Down)	ND	ND	ND	ND	NA
200924-02-020 18 Cypress – 4 th Floor East Lounge Microwave Handle	ND	ND	ND	ND	NA
200924-02-021 19 Cypress – 5 th Floor West Lounge Microwave Door Open Button	ND	ND	ND	ND	NA
200924-02-022 20 Cypress – 5 th Floor East Lounge Faucet Handle	ND	ND	ND	ND	NA
200924-02-023 21 6 th Floor Elevator Call Button Down Cypress	ND	ND	ND	ND	NA
200924-02-024 22 7 th Floor Elevator Call Button Down Cypress	ND	ND	ND	ND	NA

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/mL)
200924-02-010 08 524: Studio Back End	ND	ND	ND	ND	NA
200924-02-011 09 524: Studio Front End	ND	ND	ND	ND	NA
200924-02-012 10 Cypress Hall, 2 nd Floor Hallway near Elevator	ND	ND	ND	ND	NA
200924-02-013 11 Cypress Hall, 5 th FL Hallway near Elevator	ND	ND	ND	ND	NA
200924-02-014 12 Cypress Hall, 7 th FL Hallway near Elevator	ND	ND	ND	ND	NA

200924-02-017 15 Weston 3 rd Floor Office Area	ND	ND	ND	ND	NA
200924-02-025 23 Cypress Hall Lobby	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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<https://doi.org/10.1016/j.scitotenv.2020.140207>