



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: 11/03/20-11/04/2020

DATE OF REPORT: 11/06/2020

REPORT PREPARED BY: Kadeem Hill

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

{Omega Project#: 20-1175}

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Executive Summary:

On 11/03/2020 and 11/04/2020, Omega Environmental Services conducted ATP surface testing and SARS-CoV-2 environmental sampling in Kupfrain Hall, Faculty Memorial Hall (FMH), Guttenberg Information Technologies Center (GITC), Houten Library, The Central King Building, Wellness Entertainment Center (WEC), Cullimore Hall, The Life Science, Engineering Center (LSEC), and Laurel 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
Adenosine Triphosphate (ATP) Direct Reads: Bioluminescence Meter (Detects Bacteria and Bio-Load)	<ul style="list-style-type: none">• Excluding the pre-cleaning samples, 13-out-of-240 representative ATP surface samples collected reported elevated ATP levels (5.4% of samples).• Omega Environmental Services collected SARS-CoV-2 surface samples on all 13 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 452 RLU, with 75% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration was approximately 63 RLU, with an 86% decrease in ATP concentrations.
Coronavirus-19 PCR Samples	•Laboratory results indicate all the SARS-Cov-2 samples collected on 11/03/20 and 11/04/20 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 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	11/03/2020 10:26 AM	Kupfrian Hall	209	Row 1, Seat 3, Table Surface	28	105	211	
2	11/03/2020 10:26 AM	Kupfrian Hall	209	Row 1, Seat 6, Table Surface	30	105	211	
3	11/03/2020 10:26 AM	Kupfrian Hall	209	Row 1, Seat 9, Table Surface	36	105	211	
4	11/03/2020 10:27 AM	Kupfrian Hall	209	Row 1, Seat 11, Table Surface	47	105	211	
5	11/03/2020 10:27 AM	Kupfrian Hall	209	Row 3, Seat 1, Table Surface	22	105	211	
6	11/03/2020 10:28 AM	Kupfrian Hall	209	Row 3, Seat 4, Table Surface	34	105	211	
7	11/03/2020 10:28 AM	Kupfrian Hall	209	Row 3, Seat 7, Table Surface	28	105	211	
8	11/03/2020 10:28 AM	Kupfrian Hall	209	Row 3, Seat 10, Table Surface	81	105	211	
9	11/03/2020 10:29 AM	Kupfrian Hall	209	Row 5, Seat 3, Table Surface	14	105	211	
10	11/03/2020 10:29 AM	Kupfrian Hall	209	Row 5, Seat 6, Table Surface	29	105	211	
11	11/03/2020 10:29 AM	Kupfrian Hall	209	Row 5, Seat 9, Table Surface	67	105	211	
12	11/03/2020 10:30 AM	Kupfrian Hall	209	Door Handle	205	105	211	Classroom side of the Door, SARS-CoV-2 sample collected
13	11/03/2020 10:30 AM	Kupfrian Hall	209	Light Switch	42	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
14	11/03/2020 10:31 AM	Tiernan Hall	114	Row 1, Seat 1, Table Surface	0	105	211	
15	11/03/2020 10:46 AM	Tiernan Hall	114	Row 1, Seat 2, Table Surface	0	105	211	
16	11/03/2020 10:46 AM	Tiernan Hall	114	Row 1, Seat 3, Table Surface	124	105	211	
17	11/03/2020 10:46 AM	Tiernan Hall	114	Row 3, Seat 2, Table Surface	13	105	211	
18	11/03/2020 10:47 AM	Tiernan Hall	114	Row 3, Seat 3, Table Surface	3	105	211	
19	11/03/2020 10:47 AM	Tiernan Hall	114	Row 3, Seat 6, Table Surface	32	105	211	
20	11/03/2020 10:48 AM	Tiernan Hall	114	Row 3, Seat 7, Table Surface	2	105	211	
21	11/03/2020 10:48 AM	Tiernan Hall	114	Row 5, Seat 1, Table Surface	188	105	211	SARS-CoV-2 sample collected
22	11/03/2020 10:48 AM	Tiernan Hall	114	Row 5, Seat 4, Table Surface	5	105	211	
23	11/03/2020 10:49 AM	Tiernan Hall	114	Row 5, Seat 5, Table Surface	19	105	211	
24	11/03/2020 10:49 AM	Tiernan Hall	114	Row 5, Seat 8, Table Surface	3	105	211	
25	11/03/2020 10:50 AM	Tiernan Hall	114	Row 7, Seat 2, Table Surface	10	105	211	
26	11/03/2020 10:50 AM	Tiernan Hall	114	Row 7, Seat 3, Table Surface	0	105	211	
27	11/03/2020 10:51 AM	Tiernan Hall	114	Row 7, Seat 6, Table Surface	0	105	211	
28	11/03/2020 10:51 AM	Tiernan Hall	114	Row 7, Seat 8, Table Surface	3	105	211	
29	11/03/2020 10:52 AM	Tiernan Hall	114	Door Handle	53	105	211	Classroom side, right side of the room
30	11/03/2020 10:52 AM	Tiernan Hall	114	Light Switch	74	105	211	
31	11/03/2020 10:53 AM	FMH	408	Row 1, Seat 1, Table Surface	14	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
32	11/03/2020 11:10 AM	FMH	408	Row 1, Seat 4, Table Surface	18	105	211	
33	11/03/2020 11:11 AM	FMH	408	Row 1, Seat 7, Table Surface	18	105	211	
34	11/03/2020 11:11 AM	FMH	408	Row 2, Seat 2, Table Surface	21	105	211	
35	11/03/2020 11:12 AM	FMH	408	Row 2, Seat 6, Table Surface	27	105	211	
36	11/03/2020 11:12 AM	FMH	408	Row 2, Seat 9, Table Surface	41	105	211	
37	11/03/2020 11:13 AM	FMH	408	Row 3, Seat 3, Table Surface	52	105	211	
38	11/03/2020 11:13 AM	FMH	408	Row 3, Seat 6, Table Surface	18	105	211	
39	11/03/2020 11:14 AM	FMH	408	Row 4, Seat 1, Table Surface	24	105	211	
40	11/03/2020 11:14 AM	FMH	408	Row 4, Seat 4, Table Surface	15	105	211	
41	11/03/2020 11:14 AM	FMH	408	Row 5, Seat 2, Table Surface	29	105	211	
42	11/03/2020 11:15 AM	FMH	408	Row 5, Seat 5, Table Surface	12	105	211	
43	11/03/2020 11:15 AM	FMH	408	Row 5, Seat 8, Table Surface	6	105	211	
44	11/03/2020 11:16 AM	FMH	408	Row 6, Seat 1, Table Surface	18	105	211	
45	11/03/2020 11:16 AM	FMH	408	Row 6, Seat 3, Table Surface	5	105	211	
46	11/03/2020 11:17 AM	FMH	408	Row 6, Seat 4, Table Surface	9	105	211	
47	11/03/2020 11:17 AM	FMH	408	Row 7, Seat 2, Table Surface	11	105	211	
48	11/03/2020 11:17 AM	FMH	408	Row 7, Seat 6, Table Surface	17	105	211	
49	11/03/2020 11:18 AM	FMH	408	Row 7, Seat 9, Table Surface	28	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
50	11/03/2020 11:18 AM	FMH	408	Light Button	189	105	211	
51	11/03/2020 11:19 AM	FMH	408	Door Handle*	445	105	211	Classroom side, SARS-CoV-2 sample collected
52	11/03/2020 11:19 AM	Weston Hall	651	Surface of Table 9, Seat 4	45	105	211	
53	11/03/2020 11:54 AM	Weston Hall	651	Surface of Table 8, Seat 3	57	105	211	
54	11/03/2020 11:55 AM	Weston Hall	651	Surface of Table 8, Seat 4*	399	105	211	SARS-CoV-2 sample collected
55	11/03/2020 11:57 AM	Weston Hall	651	Surface of Table 7, Seat 6	142	105	211	
56	11/03/2020 11:58 AM	Weston Hall	651	Surface of Table 6, Seat 9	195	105	211	
57	11/03/2020 11:59 AM	Weston Hall	651	Surface of Table 6, Seat 4	166	105	211	
58	11/03/2020 12:00 PM	Weston Hall	651	Surface of Table 5, Seat 4	57	105	211	
59	11/03/2020 12:03 PM	Weston Hall	651	Surface of Table 3, Seat 4	57	105	211	
60	11/03/2020 12:04 PM	Weston Hall	651	Surface of Table 2, Seat 1	70	105	211	
61	11/03/2020 12:05 PM	GITC	1400	Row 1, Seat 1, Table Surface	26	105	211	
62	11/03/2020 12:43 PM	GITC	1400	Row 1, Seat 5, Table Surface	23	105	211	
63	11/03/2020 12:44 PM	GITC	1400	Row 1, Seat 13, Table Surface	27	105	211	
64	11/03/2020 12:44 PM	GITC	1400	Row 2, Seat 2, Table Surface	16	105	211	
65	11/03/2020 12:45 PM	GITC	1400	Row 2, Seat 7, Table Surface	7	105	211	
66	11/03/2020 12:45 PM	GITC	1400	Row 2, Seat 14, Table Surface	12	105	211	
67	11/03/2020 12:46 PM	GITC	1400	Row 4, Seat 4, Table Surface	26	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
68	11/03/2020 12:47 PM	GITC	1400	Row 4, Seat 8, Table Surface	14	105	211	
69	11/03/2020 12:48 PM	GITC	1400	Row 4, Seat 13, Table Surface	48	105	211	
70	11/03/2020 12:49 PM	GITC	1400	Row 6, Seat 1, Table Surface	41	105	211	
71	11/03/2020 12:50 PM	GITC	1400	Row 6, Seat 7, Table Surface	25	105	211	
72	11/03/2020 12:50 PM	GITC	1400	Row 6, Seat 10, Table Surface	84	105	211	
73	11/03/2020 12:51 PM	GITC	1400	Row 8, Seat 1, Table Surface	16	105	211	
74	11/03/2020 12:51 PM	GITC	1400	Row 8, Seat 7, Table Surface	14	105	211	
75	11/03/2020 12:51 PM	GITC	1400	Row 8, Seat 8, Table Surface	17	105	211	
76	11/03/2020 12:52 PM	GITC	1400	Row 9, Seat 4, Table Surface	61	105	211	
77	11/03/2020 12:52 PM	GITC	1400	Row 9, Seat 12, Table Surface	34	105	211	
78	11/03/2020 12:53 PM	GITC	1400	Door Push Bar*	582	105	211	Top Left side of lecture hall (Left Door), SARS-CoV-2 sample collected
79	11/03/2020 12:53 PM	Cullimore Hall	110	Row 1, Seat 2, Table Surface	31	105	211	
80	11/03/2020 01:00 PM	Cullimore Hall	110	Row 1, Seat 4, Table Surface	11	105	211	
81	11/03/2020 01:01 PM	Cullimore Hall	110	Row 1, Seat 6, Table Surface	13	105	211	
82	11/03/2020 01:02 PM	Cullimore Hall	110	Row 1, Seat 7, Table Surface	6	105	211	
83	11/03/2020 01:02 PM	Cullimore Hall	110	Row 3, Seat 1, Table Surface	48	105	211	
84	11/03/2020 01:02 PM	Cullimore Hall	110	Row 3, Seat 3, Table Surface	20	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
85	11/03/2020 01:03 PM	Cullimore Hall	110	Row 3, Seat 5, Table Surface	4	105	211	
86	11/03/2020 01:03 PM	Cullimore Hall	110	Row 3, Seat 6, Table Surface	9	105	211	
87	11/03/2020 01:04 PM	Cullimore Hall	110	Row 5, Seat 2, Table Surface	10	105	211	
88	11/03/2020 01:04 PM	Cullimore Hall	110	Row 5, Seat 3, Table Surface	8	105	211	
89	11/03/2020 01:05 PM	Cullimore Hall	110	Row 5, Seat 6, Table Surface	10	105	211	
90	11/03/2020 01:05 PM	Cullimore Hall	110	Door Handle	38	105	211	Hallway Side
91	11/03/2020 01:06 PM	Cullimore Hall	110	Light Switch	35	105	211	
92	11/03/2020 01:06 PM	Colton Hall	441	Door Handle	74	105	211	Lab side of the door
93	11/03/2020 02:32 PM	Colton Hall	441	Fume hood Air foil	52	105	211	
94	11/03/2020 02:34 PM	Colton Hall	441	Microwave Handle	16	105	211	
95	11/03/2020 02:34 PM	Colton Hall	441	VWR Bath Interface	24	105	211	Model WRS WB02
96	11/03/2020 02:38 PM	Colton Hall	441	Scale Interface	91	105	211	Model Number: ME203E
97	11/03/2020 02:38 PM	Colton Hall	441	VWR Fridge Handle	88	105	211	
98	11/03/2020 02:41 PM	Colton Hall	441	Pipet Handle	6	105	211	Model: OU28176
99	11/03/2020 02:42 PM	Colton Hall	441	Start Button on Gas Chromatography system	22	105	211	
100	11/03/2020 02:44 PM	Colton Hall	441	VWR Shaking Incubator, Power Switch	12	105	211	
101	11/03/2020 02:46 PM	Colton Hall	441	Chemical Fume Hood, Sash Handle	137	105	211	
102	11/03/2020 02:47 PM	Colton Hall	441	Faucet 1, Hot Water Handle 1,	20	105	211	The most left faucet

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
103	11/03/2020 02:52 PM	Colton Hall	441	Faucet 2, Handle*	261	105	211	The middle-left faucet, SARS-CoV-2 sample collected
104	11/03/2020 02:52 PM	Colton Hall	441	Faucet 3, Handle	50	105	211	The middle-right faucet
105	11/03/2020 02:53 PM	Colton Hall	441	Faucet 4, Cold Water Handle	65	105	211	The most right faucet
106	11/03/2020 02:53 PM	Colton Hall	441	Computer 16, Keyboard	115	105	211	
107	11/03/2020 02:55 PM	Colton Hall	441	Computer 16, Mouse	125	105	211	
108	11/03/2020 02:56 PM	Colton Hall	441	Labnet Shaking Incubator	45	105	211	
109	11/03/2020 02:57 PM	Colton Hall	441	Cabinet C-12 Handle	28	105	211	
110	11/03/2020 03:00 PM	Colton Hall	441	Drawer D-29 Handle	44	105	211	
111	11/03/2020 03:01 PM	Colton Hall	441	Cabinet C-16 Knob	11	105	211	Left Knob
112	11/03/2020 03:02 PM	Colton Hall	441	Cabinet C-10 Handle	40	105	211	Left Handle
113	11/03/2020 03:04 PM	Colton Hall	441	Cabinet C-11 Handle	95	105	211	Right Handle
114	11/03/2020 03:05 PM	Colton Hall	441	Drawer D-25 Handle	44	105	211	
115	11/03/2020 03:06 PM	Colton Hall	441	Drawer D-24 Handle	53	105	211	
116	11/03/2020 03:07 PM	Colton Hall	441	Drawer D-19 Handle	34	105	211	
117	11/03/2020 03:07 PM	Colton Hall	441	Cabinet C-8 Handle	81	105	211	Right Handle (Radioactive Materials), SARS-CoV-2 sample collected
118	11/03/2020 03:08 PM	Colton Hall	441	Cabinet S-1 Handle	36	105	211	Right Handle
119	11/03/2020 03:11 PM	Colton Hall	441	Cabinet S-3 Handle	7	105	211	Left Handle

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
120	11/03/2020 03:11 PM	Colton Hall	441	Cabinet S-4 Handle	8	105	211	Right Handle
121	11/03/2020 03:12 PM	Colton Hall	441	Cabinet C-3 Handle	46	105	211	Right Handle
122	11/03/2020 03:15 PM	Colton Hall	441	Drawer D-3 Handle	37	105	211	
123	11/03/2020 03:15 PM	Colton Hall	441	Cabinet C-7 Handle	51	105	211	Left Handle
124	11/03/2020 03:16 PM	Colton Hall	406	Isomet Precision Saw 1000, Power Switch	1	105	211	
125	11/03/2020 03:25 PM	Colton Hall	406	Fume Hood, Airfoil	38	105	211	
126	11/03/2020 03:26 PM	Colton Hall	406	Glassware Cabinet Handle*	280	105	211	Closest to the door, SARS-CoV-2 sample collected
127	11/03/2020 03:26 PM	Colton Hall	406	Fume Hood Sash Handle	121	105	211	
128	11/03/2020 03:32 PM	Colton Hall	407	Surface of Desk 1	118	105	211	
129	11/03/2020 03:33 PM	Colton Hall	407	Surface of Desk 2	64	105	211	
130	11/03/2020 03:33 PM	Colton Hall	407	Surface of Desk 3	16	105	211	
131	11/03/2020 03:34 PM	Colton Hall	407	Surface of Desk 4	20	105	211	
132	11/03/2020 03:35 PM	Colton Hall	407	Door Handle	92	105	211	
133	11/03/2020 03:37 PM	CKB	3 rd Fl Lounge	Surface of Window Bench, Seat 1*	433	105	211	SARS-CoV-2 sample collected
134	11/03/2020 04:17 PM	CKB	3 rd Fl Lounge	Surface of Window Bench, Seat 3	102	105	211	
135	11/03/2020 04:18 PM	CKB	3 rd Fl Lounge	Surface of Window Bench, Seat 5	70	105	211	
136	11/03/2020 04:18 PM	CKB	3 rd Fl Lounge	Door Handle to Room 338A	138	105	211	
137	11/03/2020 04:19 PM	CKB	3 rd Fl Lounge	Surface of Square Table 1, Seat 2	23	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
138	11/03/2020 04:19 PM	CKB	3 rd Fl Lounge	Surface of Square Table 1, Seat 1	49	105	211	
139	11/03/2020 04:20 PM	CKB	3 rd Fl Lounge	Surface of Square Table 2, Seat 1	25	105	211	
140	11/03/2020 04:21 PM	CKB	3 rd Fl Lounge	Surface of Square Table 2, Seat 2	11	105	211	
141	11/03/2020 04:21 PM	CKB	3 rd Fl Lounge	Surface of Round Table 1	85	105	211	
142	11/03/2020 04:22 PM	CKB	3 rd Fl Lounge	Surface of Round Table 2	49	105	211	
143	11/03/2020 04:23 PM	LSEC	102	Surface of Table 1	131	105	211	
144	11/04/2020 10:28 AM	LSEC	102	Surface of Table 2	77	105	211	
145	11/04/2020 10:29 AM	LSEC	102	Surface of Table 3	82	105	211	
146	11/04/2020 10:30 AM	LSEC	102	Surface of Table 4	159	105	211	
147	11/04/2020 10:31 AM	LSEC	102	Surface of Table 5	90	105	211	
148	11/04/2020 10:32 AM	LSEC	102	Surface of Table 7*	411	105	211	SARS-CoV-2 sample collected
149	11/04/2020 10:32 AM	LSEC	102	Surface of Table 8	93	105	211	
150	11/04/2020 10:33 AM	LSEC	102	Surface of Table 9	74	105	211	
151	11/04/2020 10:34 AM	LSEC	102	Surface of Table 10	111	105	211	
152	11/04/2020 10:34 AM	LSEC	102	Surface of Table 11	199	105	211	
153	11/04/2020 10:35 AM	LSEC	102	Surface of Table 12	146	105	211	
154	11/04/2020 10:35 AM	LSEC	102	Surface of Table 13	81	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
155	11/04/2020 10:35 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-001 Keyboard	63	105	211	
156	11/04/2020 11:30 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-005 Mouse	139	105	211	
157	11/04/2020 11:30 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-007 Keyboard	112	105	211	
158	11/04/2020 11:30 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-012 Mouse	130	105	211	
159	11/04/2020 11:31 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-016 Keyboard	200	105	211	
160	11/04/2020 11:31 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-020 Mouse*	321	105	211	SARS-CoV-2 sample collected
161	11/04/2020 11:32 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-023 Keyboard	57	105	211	
162	11/04/2020 11:34 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-025 Mouse	188	105	211	
163	11/04/2020 11:34 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-027 Keyboard	102	105	211	
164	11/04/2020 11:34 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-030 Mouse	73	105	211	
165	11/04/2020 11:35 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-032 Keyboard*	234	105	211	SARS-CoV-2 sample collected
166	11/04/2020 11:36 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-036 Mouse*	877	105	211	SARS-CoV-2 sample collected

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
167	11/04/2020 11:37 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-041, Mouse	35	105	211	
168	11/04/2020 11:43 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-045, Keyboard*	215	105	211	SARS-CoV-2 sample collected
169	11/04/2020 11:43 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-047, Mouse	107	105	211	
170	11/04/2020 11:44 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-048, Keyboard	54	105	211	
171	11/04/2020 11:44 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-052, Mouse*	212	105	211	SARS-CoV-2 sample collected
172	11/04/2020 11:45 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-056, Keyboard	132	105	211	
173	11/04/2020 11:46 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-058, Mouse	130	105	211	
174	11/04/2020 11:46 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-060, Keyboard	88	105	211	
175	11/04/2020 11:47 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-065, Mouse	59	105	211	
176	11/04/2020 11:47 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-068, Keyboard	19	105	211	
177	11/04/2020 11:47 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-072, Mouse	185	105	211	
178	11/04/2020 11:48 AM	Houten Library	1 st Floor Sitting Area	Computer CA-1047-074, Keyboard*	218	105	211	SARS-CoV-2 sample collected

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
179	11/04/2020 11:48 AM	WEC	2 nd Fl Fitness Center	Door Push Bar*	371	105	211	Fitness Center side of the Door, Pre-Cleaning Sample
180	11/04/2020 11:59 AM	WEC	2 nd Fl Fitness Center	Treadmill 2, "Go" button	117	105	211	Pre-Cleaning Sample
181	11/04/2020 11:59 AM	WEC	2 nd Fl Fitness Center	Paramount "XFT" Weight Pin*	365	105	211	Pre-Cleaning Sample
182	11/04/2020 12:00 PM	WEC	2 nd Fl Fitness Center	Paramount "XFT" Pull up Handle	209	105	211	Pre-Cleaning Sample
183	11/04/2020 12:00 PM	WEC	2 nd Fl Fitness Center	Treadmill 4, "Go" button*	314	105	211	Pre-Cleaning Sample
184	11/04/2020 12:01 PM	WEC	2 nd Fl Fitness Center	Central Jungle Gym, Dip Handles	194	105	211	Pre-Cleaning Sample
185	11/04/2020 12:01 PM	WEC	2 nd Fl Fitness Center	Smith Machine Bar*	252	105	211	3 rd from the left, Pre-Cleaning Sample
186	11/04/2020 12:01 PM	WEC	2 nd Fl Fitness Center	Central Jungle Gym, Single Hand Triceps Extension*	318	105	211	Pre-Cleaning Sample
187	11/04/2020 12:02 PM	WEC	2 nd Fl Fitness Center	Decline Bench Handle*	784	105	211	Next to Column and Mirror, Pre-Cleaning Sample
188	11/04/2020 12:02 PM	WEC	2 nd Fl Fitness Center	Preloaded 50lbs Curl bar*	1,804	105	211	Pre-Cleaning Sample
189	11/04/2020 12:03 PM	WEC	2 nd Fl Fitness Center	5lbs dumbbell handle*	339	105	211	Pre-Cleaning Sample
190	11/04/2020 12:03 PM	WEC	2 nd Fl Fitness Center	25 lbs. dumbbell Handle*	355	105	211	Pre-Cleaning Sample

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
191	11/04/2020 12:04 PM	WEC	2 nd Fl Fitness Center	Door Push Bar	11	105	211	Fitness Center side of the Door, Test No. 179 Post-Cleaning Sample
192	11/04/2020 12:22 PM	WEC	2 nd Fl Fitness Center	Paramount "XFT" Weight Pin	75	105	211	Test No. 181 Post-Cleaning Sample
193	11/04/2020 12:26 PM	WEC	2 nd Fl Fitness Center	Paramount "XFT" Pull up Handle	78	105	211	Test No. 182 Post-Cleaning Sample
194	11/04/2020 12:27 PM	WEC	2 nd Fl Fitness Center	Treadmill 4, "Go" button	21	105	211	Test No. 183 Post-Cleaning Sample
195	11/04/2020 12:27 PM	WEC	2 nd Fl Fitness Center	Central Jungle Gym, Dip Handles	15	105	211	Test No. 184 Post-Cleaning Sample
196	11/04/2020 12:28 PM	WEC	2 nd Fl Fitness Center	Central Jungle Gym, Single Hand Triceps Extension	100	105	211	Test No. 186 Post-Cleaning Sample
197	11/04/2020 12:28 PM	WEC	2 nd Fl Fitness Center	Decline Bench Handle	82	105	211	Test No. 187 Post-Cleaning Sample
198	11/04/2020 12:29 PM	WEC	2 nd Fl Fitness Center	Preloaded 50lbs Curl bar	169	105	211	Test No. 188 Post-Cleaning Sample
199	11/04/2020 12:29 PM	WEC	2 nd Fl Fitness Center	5lbs dumbbell handle	60	105	211	Test No. 189 Post-Cleaning Sample
200	11/04/2020 12:33 PM	WEC	2 nd Fl Fitness Center	Smith Machine Bar	66	105	211	Test No. 185 Post-Cleaning Sample
201	11/04/2020 12:36 PM	WEC	2 nd Fl Fitness Center	25 lbs. dumbbell Handle	18	105	211	Test No. 190 Post-Cleaning Sample
202	11/04/2020 12:37 PM	Cullimore Hall	104	Surface of Row 1, Seat 2	8	105	211	
203	11/04/2020 02:58 PM	Cullimore Hall	Rm. 104	Row 1, Seat 7, Table Surface	11	105	211	

Test No.	Date	Building	Room	Surface	RLU Result	Lower Control Limit	Upper Control Limit	Notes
204	11/04/2020 02:59 PM	Cullimore Hall	Rm. 104	Row 1, Seat 10, Table Surface	13	105	211	
205	11/04/2020 02:59 PM	Cullimore Hall	Rm. 104	Row 3, Seat 1, Table Surface	24	105	211	
206	11/04/2020 03:00 PM	Cullimore Hall	Rm. 104	Row 3, Seat 4, Table Surface	18	105	211	
207	11/04/2020 03:00 PM	Cullimore Hall	Rm. 104	Row 3, Seat 7, Table Surface	26	105	211	
208	11/04/2020 03:00 PM	Cullimore Hall	Rm. 104	Row 5, Seat 4, Table Surface	38	105	211	
209	11/04/2020 03:01 PM	Cullimore Hall	Rm. 104	Row 5, Seat 5, Table Surface	14	105	211	
210	11/04/2020 03:02 PM	Cullimore Hall	Rm. 104	Row 5, Seat 8, Table Surface	3	105	211	
211	11/04/2020 03:02 PM	Cullimore Hall	Rm. 104	Row 7, Seat 1, Table Surface	33	105	211	
212	11/04/2020 03:03 PM	Cullimore Hall	Rm. 104	Row 7, Seat 5, Table Surface	46	105	211	
213	11/04/2020 03:03 PM	Cullimore Hall	Rm. 104	Row 7, Seat 7, Table Surface	24	105	211	
214	11/04/2020 03:04 PM	Cullimore Hall	Rm. 104	Row 9, Seat 2, Table Surface	7	105	211	
215	11/04/2020 03:04 PM	Cullimore Hall	Rm. 104	Row 9, Seat 4, Table Surface	23	105	211	
216	11/04/2020 03:05 PM	Cullimore Hall	Rm. 104	Row 9, Seat 7, Table Surface	30	105	211	
217	11/04/2020 03:05 PM	Cullimore Hall	Rm.104	Light Switch	84	105	211	
218	11/04/2020 03:06 PM	Cullimore Hall	Rm.104	Door Push Bar	128	105	211	Classroom side, front left side of Lecture Hall

219	11/04/2020 03:07 PM	Laurel Hall	1 st Floor	Door Handle to Vestibule (Exit)	140	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. Lobby side of the door, exit
220	11/04/2020 03:37 PM	Laurel Hall	1 st Floor	Door Handle to enter Lobby*	689	105	211	Vestibule side of the door. Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
221	11/04/2020 03:37 PM	Laurel Hall	1 st Floor	Door Handle to 1 st Fl Hallway*	485	105	211	Lobby side of the Door. Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
222	11/04/2020 03:38 PM	Laurel Hall	1 st Floor	Door Handle to lobby*	250	105	211	Hallway Side of the Door. Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations.
223	11/04/2020 03:38 PM	Laurel Hall	1 st Floor	1 st Floor Elevator Call button (Up)*	533	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
224	11/04/2020 03:48 PM	Laurel Hall	2 nd Floor	2 nd Floor Elevator Call button (Down)*	388	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
225	11/04/2020 03:48 PM	Laurel Hall	3 rd Floor	3 rd Floor Elevator Call button (Down)	192	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations.
226	11/04/2020 03:49 PM	Laurel Hall	4 th Floor	4 th Floor Elevator Call button (Down)*	246	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
227	11/04/2020 03:49 PM	Laurel Hall	5 th Floor	5 th Floor Elevator Call button (Down)*	349	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
228	11/04/2020 03:52 PM	Laurel (Extension) Hall	1 st Floor	1 st Floor Elevator Call button (Up)*	219	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected

229	11/04/2020 03:52 PM	Laurel (Extension) Hall	2 nd Floor	2 nd Floor Elevator Call button (Down)*	440	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
230	11/04/2020 03:53 PM	Laurel (Extension) Hall	3 rd Floor	3 rd Floor Elevator Call button (Down)*	347	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
231	11/04/2020 03:53 PM	Laurel (Extension) Hall	4 th Floor	4 th Floor Elevator Call button (Down)	150	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations.
232	11/04/2020 03:54 PM	Laurel (Extension) Hall	5 th Floor	5 th Floor Elevator Call button (Down)*	354	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
233	11/04/2020 03:54 PM	Laurel (Extension) Hall	6 th Floor	6 th Floor Elevator Call button (Down)*	187	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
234	11/04/2020 03:55 PM	Laurel (Extension) Hall	7 th Floor	7 th Floor Elevator Call button (Down)*	1,470	105	211	Pre-Cleaning Sample used to Identify SARS-CoV-2 Sample Locations. SARS-CoV-2 sample collected
235	11/04/2020 03:55 PM	Cullimore Hall	106	Row 1, Seat 1, Table Surface	16	105	211	
236	11/04/2020 04:38 PM	Cullimore Hall	106	Row 1, Seat 6, Table Surface	5	105	211	
237	11/04/2020 04:40 PM	Cullimore Hall	106	Row 1, Seat 9, Table Surface	5	105	211	
238	11/04/2020 04:40 PM	Cullimore Hall	106	Row 3, Seat 3, Table Surface	7	105	211	
239	11/04/2020 04:41 PM	Cullimore Hall	106	Row 3, Seat 5, Table Surface	4	105	211	
240	11/04/2020 04:41 PM	Cullimore Hall	106	Row 3, Seat 8, Table Surface	6	105	211	
241	11/04/2020 04:42 PM	Cullimore Hall	106	Row 5, Seat 1, Table Surface	3	105	211	
242	11/04/2020 04:42 PM	Cullimore Hall	106	Row 5, Seat 3, Table Surface	0	105	211	

243	11/04/2020 04:43 PM	Cullimore Hall	106	Row 5, Seat 6, Table Surface	7	105	211	
244	11/04/2020 04:43 PM	Cullimore Hall	106	Row 7, Seat 1, Table Surface	1	105	211	
245	11/04/2020 04:44 PM	Cullimore Hall	106	Row 7, Seat 4, Table Surface	5	105	211	
246	11/04/2020 04:44 PM	Cullimore Hall	106	Row 7, Seat 7, Table Surface	1	105	211	
247	11/04/2020 04:45 PM	Cullimore Hall	106	Row 9, Seat 4, Table Surface	5	105	211	
248	11/04/2020 04:46 PM	Cullimore Hall	106	Row 9, Seat 5, Table Surface	21	105	211	
249	11/04/2020 04:46 PM	Cullimore Hall	106	Row 9, Seat 7, Table Surface	0	105	211	
250	11/04/2020 04:46 PM	Cullimore Hall	106	Right Door Push Bar	145	105	211	Classroom side, Front Left side of Lecture Hall
251	11/04/2020 04:47 PM	Cullimore Hall	106	Light Switch	199	105	211	Front Right Side of the Room
252	11/04/2020 04:47 PM	Cullimore Hall	103	Row 1, Seat 3, Table Surface	11	105	211	
253	11/04/2020 04:57 PM	Cullimore Hall	103	Row 1, Seat 6, Table Surface	54	105	211	
254	11/04/2020 04:59 PM	Cullimore Hall	103	Row 1, Seat 7, Table Surface	14	105	211	
255	11/04/2020 05:00 PM	Cullimore Hall	103	Row 3, Seat 2, Table Surface	46	105	211	
256	11/04/2020 05:00 PM	Cullimore Hall	103	Row 3, Seat 5, Table Surface	45	105	211	
257	11/04/2020 05:01 PM	Cullimore Hall	103	Row 3, Seat 8, Table Surface	22	105	211	
258	11/04/2020 05:01 PM	Cullimore Hall	103	Row 5, Seat 4, Table Surface	48	105	211	
259	11/04/2020 05:02 PM	Cullimore Hall	103	Row 5, Seat 5, Table Surface	28	105	211	
260	11/04/2020 05:02 PM	Cullimore Hall	103	Row 5, Seat 8, Table Surface	21	105	211	
261	11/04/2020 05:03 PM	Cullimore Hall	103	Row 7, Seat 2, Table Surface	12	105	211	
262	11/04/2020 05:03 PM	Cullimore Hall	103	Row 7, Seat 6, Table Surface	129	105	211	

263	11/04/2020 05:04 PM	Cullimore Hall	103	Row 7, Seat 9, Table Surface	61	105	211	
264	11/04/2020 05:04 PM	Cullimore Hall	103	Row 9, Seat 3, Table Surface	13	105	211	
265	11/04/2020 05:05 PM	Cullimore Hall	103	Row 9, Seat 5, Table Surface	17	105	211	
266	11/04/2020 05:05 PM	Cullimore Hall	103	Row 9, Seat 8, Table Surface	18	105	211	
267	11/04/2020 05:06 PM	Cullimore Hall	103	Left Door Push Bar	102	105	211	Classroom Side, Front Right Side of Lecture Hall
268	11/04/2020 05:06 PM	Cullimore Hall	103	Light Switch	124	105	211	Front Right Side of Lecture Hall

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, 13-out-of-240 representative ATP surface samples collected reported elevated ATP levels (5.4% of samples).
- Omega Environmental Services collected SARS-CoV-2 surface samples on all 13 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 452 RLU, with 75% of the samples indicating elevated ATP levels. The average post-cleaning ATP concentration was approximately 63 RLU, with an 86% decrease in ATP concentrations.

Surface SARS-CoV-2 Swab Data: 11/03-11/04/2020

Sample No.	SARS-CoV-2 Swab Sample Locations	Result (Positive/Negative)
1	Kupfrian Hall, Room 209, Door Handle (classroom Side of Door)	Negative
2	Tiernan Hall, Room 114, Row 5, Seat 1, Table Surface	Negative
3	Faculty Memorial Hall, Room 408, Door Handle (Classroom Side)	Negative
4	Weston Hall, Room 651, Surface of Table 8, Seat 4	Negative
5	GITC, Room 1400, Door Push Bar (Lecture Hall side of Top Left Door)	Negative
6	Colton Hall, Lab 441, Door Handle (Hallway side of the Door)	Negative
7	Colton Hall, Lab 441, Faucet 2 Handle (Middle-Left Faucet)	Negative
8	Colton Hall, Lab 441, Cabinet C-8, Handle (Radioactive Materials Cabinet)	Negative
9	Colton Hall, Lab 406, Cabinet Handle (Cabinet Closest to the Door)	Negative
10	Colton Hall, Room 407, Door Handle (Room Side of Door)	Negative
11	Central King Building, 3rd Floor Lounge, Surface of Window Bench, Seat 01	Negative
12	Life Science, Engineering Center, Room 102, Surface of Table 7	Negative
13	Houten Library, 1 st Floor, Computer CA-1047-020, Mouse	Negative
14	Houten Library, 1 st Floor, Computer CA-1047-032, Keyboard	Negative
15	Houten Library, 1 st Floor, Computer CA-1047-036, Mouse	Negative
16	Houten Library, 1 st Floor, Computer CA-1047-045, Keyboard	Negative
17	Houten Library, 1 st Floor, Computer CA-1047-052, Mouse	Negative
18	Houten Library, 1 st Floor, Computer CA-1047-074, Keyboard	Negative
19	Laurel Residence Hall, Door to the 1 st Floor lobby, Vestibule side of the Door	Negative
20	Laurel Residence Hall, Door Handle to 1st Fl Hallway (lobby Side of the Door)	Negative
21	Laurel Residence Hall, 1st Floor Elevator Call button (Up)	Negative
22	Laurel Residence Hall, 2nd Floor Elevator Call button (Down)	Negative
23	Laurel Residence Hall, 4th Floor Elevator Call button (Down)	Negative
24	Laurel Residence Hall, 5th Floor Elevator Call button (Down)	Negative
25	Laurel (Extension) Residence Hall, 1st Floor Elevator Call button (Up)	Negative
26	Laurel (Extension) Residence Hall, 2nd Floor Elevator Call button (Down)	Negative
27	Laurel (Extension) Residence Hall, 3rd Floor Elevator Call button (Down)	Negative
28	Laurel (Extension) Residence Hall, 5th Floor Elevator Call button (Down)	Negative
29	Laurel (Extension) Residence Hall, 7th Floor Elevator Call button (Down)	Negative

SARS-CoV-2 Air Sample Data: 11/03/20-11/04/20

Sample No.	SARS-CoV-2 Air Sample Locations	Result (Positive/Negative)
1	Weston Hall, Studio 651	Negative
2	Faculty Memorial Hall, Room 408	Negative
3	Tiernan Hall, Room 114	Negative
4	Kupfrian Hall, Room 209	Negative
5	Life Sciences and Engineering Center, Room 102 (Science Commons)	Negative
6	Central King Building, 3rd Floor Lounge Area	Negative
7	Cullimore Hall, Room 110	Negative
8	GFTC, Room 1400	Negative
9	Colton Hall, Lab 441	Negative
10	Colton Hall, Lab 406	Negative
11	Laurel Residence Hall, Vestibule (Exit Side)	Negative
12	Laurel (Extension) Residence Hall, 1 st Floor Hallway, Near the Elevator	Negative
13	Laurel Residence Hall, 2 nd Floor Hallway Near the Elevator	Negative
14	Laurel (Extension) Residence Hall, 2 nd Floor Hallway Near the Elevator	Negative
15	Laurel Residence Hall, 3 rd Floor Hallway Near the Elevator	Negative
16	Laurel (Extension) Residence Hall, 3 rd Floor Hallway Near the Elevator	Negative
17	Laurel Residence Hall, 4 th Floor Hallway Near the Elevator	Negative
18	Laurel (Extension) Residence Hall, 4 th Floor Hallway Near the Elevator	Negative
19	Laurel Residence Hall, 5 th Floor Hallway Near the Elevator	Negative
20	Laurel (Extension) Residence Hall, 5 th Floor Hallway Near the Elevator	Negative
21	Laurel (Extension) Residence Hall, 6 th Floor Hallway Near the Elevator	Negative
22	Laurel (Extension) Residence Hall, 7 th Floor Hallway Near the Elevator	Negative

Data Interpretation:

- Laboratory results indicates all the SARS-Cov-2 samples collected on 11/03 and 11/04/2020 were negative.

Attachments:

Laboratory analysis reports with chain-of-custody

Analytical Test Report

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

Client Project/Name: 20-1175

Sample date: 11-3-2020

Submittal date: 11-3-2020

Sample received: 11-4-2020

Samples submitted by: Kadeem Hill

Date analysis completed: November 5, 2020

Prestige Report number: 201104-02

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/cm ²)
201104-02-005 01 Kupfrian Hall, Room 209, Door Handle (Classroom Side)	ND	ND	ND	ND	NA
201104-02-006 02 Tiernan Hall, Room 114, Row 5, Seat 1, Table Surface	ND	ND	ND	ND	NA
201104-02-007 03 FMH, Room 408, Door Handle (Classroom Side)	ND	ND	ND	ND	NA
201104-02-008 04 Weston Hall, Room 651, Surface of Table 8, Seat 4	ND	ND	ND	ND	NA
201104-02-009 05 GITC, Room 1400, Door Push Bar (Lecture Hall side of door)	ND	ND	ND	ND	NA
201104-02-010 06 Colton Hall, Lab 441, Door Handle (Hallway side of the door)	ND	ND	ND	ND	NA

201104-02-011 07 Colton Hall, Lab 441, Faucet 2 Handle	ND	ND	ND	ND	NA
201104-02-012 08 Colton Hall, Lab 441, Cabinet C-8 Handle	ND	ND	ND	ND	NA
201104-02-013 09 Colton Hall, Lab 406, Cabinet Handle	ND	ND	ND	ND	NA
201104-02-014 10 Colton Hall, Room 407, Door Handle (Room Side of Door)	ND	ND	ND	ND	NA
201104-02-015 11 CKB, 3 rd Floor Lounge, Surface of Window Bench, Seat 01	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/L)
201104-02-016 01 Weston Hall, Studio 651	ND	ND	ND	ND	NA
201104-02-017 02 FMH Room 408	ND	ND	ND	ND	NA
201104-02-018 03 Tiernan Hall, Room 114	ND	ND	ND	ND	NA
201104-02-019 04 Kupfrian Hall, Room 209	ND	ND	ND	ND	NA
201104-02-020 05 LSEC, Room 102, Science Commons	ND	ND	ND	ND	NA
201104-02-021 06 CKB, 3 rd Floor Sitting Area	ND	ND	ND	ND	NA


201104-02-022 07 Culimore Hall, Room 110	ND	ND	ND	ND	NA
201104-02-023 08 GITC, Room 1400	ND	ND	ND	ND	NA
201104-02-024 09 Colton Hall, Lab 441	ND	ND	ND	ND	NA
201104-02-025 10 Colton Hall, Lab 406	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: 11-4-2020

Submittal date: 11-4-2020

Sample received: 11-5-2020

Samples submitted by: Kadeem Hill

Date analysis completed: November 6, 2020

Prestige Report number: 201105-02

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)
201105-02-003 11 Laurel Hall vestibule (Exit Side)	ND	ND	ND	ND	NA
201105-02-004 12 Laurel (Ext) Hall, 1 st Fl, near elevator	ND	ND	ND	ND	NA
201105-02-005 13 Laurel Hall, 2 nd Fl Hallway near Elevator	ND	ND	ND	ND	NA
201105-02-006 14 Laurel (Ext) Hall, 2 nd Fl Hallway near Elevator	ND	ND	ND	ND	NA
201105-02-007 15 Laurel Hall, 3 rd Fl Hallway, (near the Elevator)	ND	ND	ND	ND	NA
201105-02-008 16 Laurel (Ext) Hall, 3 rd Fl Hallway, (near the Elevator)	ND	ND	ND	ND	NA
201105-02-009 17 Laurel Hall, 4 th Fl Hallway, (near the Elevator)	ND	ND	ND	ND	NA

201105-02-010 18 Laurel (Ext) Hall, 4 th Fl Hallway, (near the Elevator)	ND	ND	ND	ND	NA
201105-02-011 19 Laurel Hall, 5 th Fl Hallway, (near the Elevator)	ND	ND	ND	ND	NA
201105-02-012 20 Laurel (Ext) Hall, 5 th Fl Hallway, (near the Elevator)	ND	ND	ND	ND	NA
201105-02-013 21 Laurel (Ext) Hall, 6 th Fl Hallway, (near the Elevator)	ND	ND	ND	ND	NA
201105-02-014 22 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)
201105-02-015 12 LSEC, Room 102, Surface of Table 7	ND	ND	ND	ND	NA
201105-02-016 13 Houten Library, Computer CA-1047-020, Mouse	ND	ND	ND	ND	NA
201105-02-017 14 Houten Library, Computer CA-1047-032, Keyboard	ND	ND	ND	ND	NA
201105-02-018 15 Houten Library, Computer CA-1047-036, Mouse	ND	ND	ND	ND	NA

201105-02-019 16 Houten Library, Computer CA-1047-045, Keyboard	ND	ND	ND	ND	NA
201105-02-020 17 Houten Library, Computer CA-1047-052, Mouse	ND	ND	ND	ND	NA
201105-02-021 18 Houten Library, Computer CA-1047-074, Keyboard	ND	ND	ND	ND	NA

201105-02-022 19 Laurel Hall, Door to the lobby, Vestibule side of the Door	ND	ND	ND	ND	NA
201105-02-023 20 Laurel Hall, Door Handle to 1 st Fl Hallway (lobby Side of the Door)	ND	ND	ND	ND	NA
201105-02-024 21 Laurel Hall, 1 st Floor Elevator Call button (Up)	ND	ND	ND	ND	NA
201105-02-025 22 Laurel Hall, 2 nd Floor Elevator Call button (Down)	ND	ND	ND	ND	NA
201105-02-026 23 Laurel Hall, 4 th Floor Elevator Call button (Down)	ND	ND	ND	ND	NA
201105-02-027 24 Laurel Hall, 5 th Floor Elevator Call button (Down)	ND	ND	ND	ND	NA
201105-02-028 25 Laurel (Ext) Hall, 1 st Floor Elevator Call button (Up)	ND	ND	ND	ND	NA

201105-02-029 26 Laurel (Ext) Hall, 2 nd Floor Elevator Call button (Down)	ND	ND	ND	ND	NA
201105-02-030 27 Laurel (Ext) Hall, 3 rd Floor Elevator Call button (Down)	ND	ND	ND	ND	NA
201105-02-031 28 Laurel (Ext) Hall, 5 th Floor Elevator Call button (Down)	ND	ND	ND	ND	NA
201105-02-032 29 Laurel (Ext) Hall, 7 th Floor Elevator Call button (Down)	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>