



# POST-DISINFECTION CORONAVIRUS-19 FIELD VERIFICATION TESTING REPORT

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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: 3/16 & 3/17/2021

DATE OF REPORT: 3/19/2021

REPORT PREPARED BY: Ross Hernandez

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

{Omega Project#: 21-1040}

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Executive Summary:

On 3/16/2021 and 3/17/2021, Omega Environmental Services conducted representative ATP surface testing and SARS-CoV-2 environmental sampling in the following buildings on the NJIT campus:

- Weston Hall
- Campus Center
- Central King Building (CKB)
- Kupfrian Hall
- Life Sciences & Engineering Center (LSEC)
- Laurel Residential Hall
- Honors College Residential Hall
- Tiernan Hall
- Redwood Residential Hall
- Cypress Residential Hall

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

SARS-CoV-2 environmental sampling was not conducted in the Wellness Entertainment Center (WEC) due to Spring Break campus closures.

| Parameter  | Results  |
|--|--|
| Adenosine Triphosphate (ATP) Direct Reads: Bioluminescence Meter (Detects Bacteria and Bio-Load) | <ul style="list-style-type: none"><li>• 20-out-of-161 representative ATP surface samples collected reported elevated ATP levels (12.4% of samples).</li><li>• Omega Environmental Services collected SARS-CoV-2 surface samples on all representative surfaces with elevated ATP levels, that were not re-cleaned by NJIT Building Services.</li></ul> |
| SARS-CoV-2 PCR Samples   | <ul style="list-style-type: none"><li>• Laboratory results indicate all the SARS-CoV-2 air and surface samples collected on 3/16/21 and 3/17/21 were negative.</li></ul>   |

### **Bio-Load and SARS-CoV-2 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  $\mu\text{m}$  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        | 03/16/2021<br>09:41 AM | Weston Hall | 710-730 | Surface of Table 1          | 36         | 105                 | 211                 |                              |
| 2        | 03/16/2021<br>09:41 AM | Weston Hall | 710-730 | Surface of Table 2*         | 218        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 3        | 03/16/2021<br>09:42 AM | Weston Hall | 710-730 | Surface of Table 3, Seat 1  | 26         | 105                 | 211                 |                              |
| 4        | 03/16/2021<br>09:42 AM | Weston Hall | 710-730 | Surface of Table 3, Seat 3  | 36         | 105                 | 211                 |                              |
| 5        | 03/16/2021<br>09:43 AM | Weston Hall | 710-730 | Surface of Table 3, Seat 7  | 41         | 105                 | 211                 |                              |
| 6        | 03/16/2021<br>09:44 AM | Weston Hall | 710-730 | Surface of Table 3, Seat 8  | 112        | 105                 | 211                 |                              |
| 7        | 03/16/2021<br>09:44 AM | Weston Hall | 710-730 | Surface of Table 4, Seat 3  | 52         | 105                 | 211                 |                              |
| 8        | 03/16/2021<br>09:45 AM | Weston Hall | 710-730 | Surface of Table 4, Seat 4  | 33         | 105                 | 211                 |                              |
| 9        | 03/16/2021<br>09:45 AM | Weston Hall | 710-730 | Surface of Table 4, Seat 5  | 16         | 105                 | 211                 |                              |
| 10       | 03/16/2021<br>09:47 AM | Weston Hall | 710-730 | Surface of Table 4, Seat 6* | 226        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 11       | 03/16/2021<br>09:47 AM | Weston Hall | 710-730 | Surface of Table 4, Seat 7  | 72         | 105                 | 211                 |                              |
| 12       | 03/16/2021<br>09:49 AM | Weston Hall | 710-730 | Surface of Table 5, Seat 2  | 80         | 105                 | 211                 |                              |
| 13       | 03/16/2021<br>09:49 AM | Weston Hall | 710-730 | Surface of Table 5, Seat 3* | 279        | 105                 | 211                 | SARS-CoV-2 sample collected. |

| Test No. | Date                   | Building    | Room    | Surface   | RLU Result | Lower Control Limit | Upper Control Limit | Notes                        |
|----------|------------------------|-------------|---------|---|------------|---------------------|---------------------|------------------------------|
| 14       | 03/16/2021<br>09:50 AM | Weston Hall | 710-730 | Surface of Table 6, Seat 1                          | 114        | 105                 | 211                 |                              |
| 15       | 03/16/2021<br>09:51 AM | Weston Hall | 710-730 | Surface of Table 6, Seat 4                          | 54         | 105                 | 211                 |                              |
| 16       | 03/16/2021<br>09:51 AM | Weston Hall | 710-730 | Surface of Table 6, Seat 4, 3D Printer, Door Handle | 69         | 105                 | 211                 |                              |
| 17       | 03/16/2021<br>09:52 AM | Weston Hall | 710-730 | Surface of Table 6, Seat 5*                         | 770        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 18       | 03/16/2021<br>09:52 AM | Weston Hall | 710-730 | Surface of Table 6, Seat 6                          | 70         | 105                 | 211                 |                              |
| 19       | 03/16/2021<br>09:53 AM | Weston Hall | 710-730 | Surface of Table 7, Seat 1*                         | 217        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 20       | 03/16/2021<br>09:54 AM | Weston Hall | 710-730 | Surface of Table 7, Seat 3                          | 47         | 105                 | 211                 |                              |
| 21       | 03/16/2021<br>09:54 AM | Weston Hall | 710-730 | Surface of Table 7, Seat 5                          | 198        | 105                 | 211                 |                              |
| 22       | 03/16/2021<br>09:54 AM | Weston Hall | 710-730 | Surface of Table 8, Seat 2                          | 195        | 105                 | 211                 |                              |
| 23       | 03/16/2021<br>09:55 AM | Weston Hall | 710-730 | Surface of Table 8, Seat 3                          | 188        | 105                 | 211                 |                              |
| 24       | 03/16/2021<br>09:55 AM | Weston Hall | 710-730 | Surface of Table 8, Seat 5                          | 96         | 105                 | 211                 |                              |
| 25       | 03/16/2021<br>09:56 AM | Weston Hall | 710-730 | Surface of Table 9, Seat 1                          | 125        | 105                 | 211                 |                              |
| 26       | 03/16/2021<br>10:26 AM | Weston Hall | 760     | Surface of Table 1*                                 | 261        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 27       | 03/16/2021<br>10:27 AM | Weston Hall | 760     | Surface of Table 1, Computer Mouse                  | 141        | 105                 | 211                 |                              |
| 28       | 03/16/2021<br>10:28 AM | Weston Hall | 760     | Surface of Table 2                                  | 42         | 105                 | 211                 |                              |
| 29       | 03/16/2021<br>10:28 AM | Weston Hall | 760     | Surface of Laser VLS660 (Purple), Start Button      | 28         | 105                 | 211                 |                              |
| 30       | 03/16/2021<br>10:28 AM | Weston Hall | 760     | Surface of Laser VLS660 (Purple), Computer Keyboard | 46         | 105                 | 211                 |                              |
| 31       | 03/16/2021<br>10:29 AM | Weston Hall | 760     | Surface of Laser VLS660 (Blue), Start Button        | 78         | 105                 | 211                 |                              |

| Test No. | Date                   | Building      | Room                               | Surface   | RLU Result | Lower Control Limit | Upper Control Limit | Notes                        |
|----------|------------------------|---------------|------------------------------------|---|------------|---------------------|---------------------|------------------------------|
| 32       | 03/16/2021<br>10:29 AM | Weston Hall   | 760                                | Surface of Laser VLS660 (Blue), Computer Keyboard | 79         | 105                 | 211                 |                              |
| 33       | 03/16/2021<br>10:30 AM | Weston Hall   | 760                                | Surface of Laser PLS657, Start Button             | 45         | 105                 | 211                 |                              |
| 34       | 03/16/2021<br>10:30 AM | Weston Hall   | 760                                | Surface of Laser PLS657, Computer Mouse           | 56         | 105                 | 211                 |                              |
| 35       | 03/16/2021<br>10:31 AM | Weston Hall   | 760                                | Surface of Laser X660, Start Button               | 49         | 105                 | 211                 |                              |
| 36       | 03/16/2021<br>01:02 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Snack Vending Machine, Touch Screen    | 115        | 105                 | 211                 |                              |
| 37       | 03/16/2021<br>01:03 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Drink Vending Machine, Keypad          | 198        | 105                 | 211                 |                              |
| 38       | 03/16/2021<br>01:03 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Amazon Locker, Touch Screen            | 90         | 105                 | 211                 |                              |
| 39       | 03/16/2021<br>01:04 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Table 2                                | 59         | 105                 | 211                 |                              |
| 40       | 03/16/2021<br>01:05 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Table 3, Seat 1*                       | 814        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 41       | 03/16/2021<br>01:05 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Table 3, Seat 3                        | 17         | 105                 | 211                 |                              |
| 42       | 03/16/2021<br>01:06 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Table 4, Seat 2*                       | 270        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 43       | 03/16/2021<br>01:06 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Table 4, Seat 4*                       | 339        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 44       | 03/16/2021<br>01:06 PM | Campus Center | 1 <sup>st</sup> Floor Sitting Area | Surface of Table 5, Seat 1                        | 206        | 105                 | 211                 |                              |

| Test No. | Date                   | Building                    | Room                               | Surface                     | RLU Result | Lower Control Limit | Upper Control Limit | Notes                        |
|----------|------------------------|-----------------------------|------------------------------------|-----------------------------|------------|---------------------|---------------------|------------------------------|
| 45       | 03/16/2021<br>01:07 PM | Campus Center               | 1 <sup>st</sup> Floor Sitting Area | Surface of Table 5, Seat 3  | 100        | 105                 | 211                 |                              |
| 46       | 03/16/2021<br>01:07 PM | Campus Center               | 1 <sup>st</sup> Floor Sitting Area | Surface of Table 6, Seat 2* | 467        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 47       | 03/16/2021<br>01:24 PM | Central King Building (CKB) | Basement Lounge                    | Surface of Table 1, Seat 1* | 244        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 48       | 03/16/2021<br>01:24 PM | Central King Building (CKB) | Basement Lounge                    | Surface of Table 1, Seat 3  | 120        | 105                 | 211                 |                              |
| 49       | 03/16/2021<br>01:25 PM | Central King Building (CKB) | Basement Lounge                    | Surface of Round Table 1    | 54         | 105                 | 211                 |                              |
| 50       | 03/16/2021<br>01:25 PM | Central King Building (CKB) | Basement Lounge                    | Surface of Round Table 2*   | 266        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 51       | 03/16/2021<br>01:26 PM | Central King Building (CKB) | Basement Lounge                    | Surface of Table 3, Seat 2  | 116        | 105                 | 211                 |                              |
| 52       | 03/16/2021<br>01:26 PM | Central King Building (CKB) | Basement Lounge                    | Surface of Table 3, Seat 4  | 106        | 105                 | 211                 |                              |
| 53       | 03/16/2021<br>01:27 PM | Central King Building (CKB) | Basement Lounge                    | Surface of Round Table 3    | 90         | 105                 | 211                 |                              |
| 54       | 03/16/2021<br>01:27 PM | Central King Building (CKB) | Basement Lounge                    | Surface of Round Table 4    | 198        | 105                 | 211                 |                              |
| 55       | 03/16/2021<br>01:38 PM | Kupfrian Hall               | Basement Sitting Area              | Surface of Table 1*         | 677        | 105                 | 211                 | SARS-CoV-2 sample collected. |
| 56       | 03/16/2021<br>01:39 PM | Kupfrian Hall               | Basement Sitting Area              | Surface of Table 3          | 66         | 105                 | 211                 |                              |



| Test No. | Date                   | Building      | Room                                     | Surface             | RLU Result | Lower Control Limit | Upper Control Limit | Notes |
|----------|------------------------|---------------|--|---------------------|------------|---------------------|---------------------|-------|
| 57       | 03/16/2021<br>01:39 PM | Kupfrian Hall | Basement<br>Sitting<br>Area              | Surface of Table 5  | 15         | 105                 | 211                 |       |
| 58       | 03/16/2021<br>01:40 PM | Kupfrian Hall | Basement<br>Sitting<br>Area              | Surface of Table 7  | 25         | 105                 | 211                 |       |
| 59       | 03/16/2021<br>01:40 PM | Kupfrian Hall | Basement<br>Sitting<br>Area              | Surface of Table 9  | 48         | 105                 | 211                 |       |
| 60       | 03/16/2021<br>01:41 PM | Kupfrian Hall | Basement<br>Sitting<br>Area              | Surface of Table 11 | 104        | 105                 | 211                 |       |
| 61       | 03/16/2021<br>01:41 PM | Kupfrian Hall | Basement<br>Sitting<br>Area              | Surface of Table 13 | 17         | 105                 | 211                 |       |
| 62       | 03/16/2021<br>01:43 PM | Kupfrian Hall | Basement<br>Sitting<br>Area              | Surface of Table 15 | 55         | 105                 | 211                 |       |
| 63       | 03/17/2021<br>07:44 AM | LSEC          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 2  | 39         | 105                 | 211                 |       |
| 64       | 03/17/2021<br>07:44 AM | LSEC          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 3  | 34         | 105                 | 211                 |       |
| 65       | 03/17/2021<br>07:45 AM | LSEC          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 4  | 19         | 105                 | 211                 |       |
| 66       | 03/17/2021<br>07:45 AM | LSEC          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 5  | 14         | 105                 | 211                 |       |
| 67       | 03/17/2021<br>07:46 AM | LSEC          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 6  | 31         | 105                 | 211                 |       |
| 68       | 03/17/2021<br>07:47 AM | LSEC          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 7  | 31         | 105                 | 211                 |       |

| Test No. | Date                   | Building                      | Room                                     | Surface   | RLU Result | Lower Control Limit | Upper Control Limit | Notes                           |
|----------|------------------------|-------------------------------|--|---|------------|---------------------|---------------------|---------------------------------|
| 69       | 03/17/2021<br>07:47 AM | LSEC                          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 8                                  | 22         | 105                 | 211                 |                                 |
| 70       | 03/17/2021<br>07:48 AM | LSEC                          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 9                                  | 27         | 105                 | 211                 |                                 |
| 71       | 03/17/2021<br>07:49 AM | LSEC                          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 10                                 | 25         | 105                 | 211                 |                                 |
| 72       | 03/17/2021<br>07:49 AM | LSEC                          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 11                                 | 26         | 105                 | 211                 |                                 |
| 73       | 03/17/2021<br>07:50 AM | LSEC                          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 12                                 | 37         | 105                 | 211                 |                                 |
| 74       | 03/17/2021<br>07:51 AM | LSEC                          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 13                                 | 58         | 105                 | 211                 |                                 |
| 75       | 03/17/2021<br>07:52 AM | LSEC                          | 1 <sup>st</sup> Floor<br>Sitting<br>Area | Surface of Table 14                                 | 185        | 105                 | 211                 |                                 |
| 76       | 03/17/2021<br>08:10 AM | Laurel<br>Residential<br>Hall | 1 <sup>st</sup> Floor<br>Hallway         | 1 <sup>st</sup> Floor Elevator Call Button,<br>Up*  | 265        | 105                 | 211                 | SARS-CoV-2 sample<br>collected. |
| 77       | 03/17/2021<br>08:10 AM | Laurel<br>Residential<br>Hall | 2 <sup>nd</sup> Floor<br>Hallway         | 2 <sup>nd</sup> Floor Elevator Call Button,<br>Down | 171        | 105                 | 211                 |                                 |
| 78       | 03/17/2021<br>08:11 AM | Laurel<br>Residential<br>Hall | 3 <sup>rd</sup> Floor<br>Hallway         | 3 <sup>rd</sup> Floor Elevator Call Button,<br>Down | 24         | 105                 | 211                 |                                 |
| 79       | 03/17/2021<br>08:11 AM | Laurel<br>Residential<br>Hall | 4 <sup>th</sup> Floor<br>Hallway         | 4 <sup>th</sup> Floor Elevator Call Button,<br>Down | 167        | 105                 | 211                 |                                 |
| 80       | 03/17/2021<br>08:12 AM | Laurel<br>Residential<br>Hall | 5 <sup>th</sup> Floor<br>Hallway         | 5 <sup>th</sup> Floor Elevator Call Button,<br>Down | 105        | 105                 | 211                 |                                 |

| Test No. | Date                   | Building                            | Room                          | Surface   | RLU Result | Lower Control Limit | Upper Control Limit | Notes   |
|----------|------------------------|-------------------------------------|-------------------------------|---|------------|---------------------|---------------------|---|
| 81       | 03/17/2021<br>08:13 AM | Laurel Residential Hall             | 1 <sup>st</sup> Floor Hallway | 1 <sup>st</sup> Floor Elevator Call Button, Up        | 135        | 105                 | 211                 |   |
| 82       | 03/17/2021<br>08:13 AM | Laurel (Extension) Residential Hall | 2 <sup>nd</sup> Floor Hallway | 2 <sup>nd</sup> Floor Elevator Call Button, Down      | 154        | 105                 | 211                 |   |
| 83       | 03/17/2021<br>08:14 AM | Laurel (Extension) Residential Hall | 3 <sup>rd</sup> Floor Hallway | 3 <sup>rd</sup> Floor Elevator Call Button, Down      | 140        | 105                 | 211                 |   |
| 84       | 03/17/2021<br>08:15 AM | Laurel (Extension) Residential Hall | 4 <sup>th</sup> Floor Hallway | 4 <sup>th</sup> Floor Elevator Call Button, Down      | 64         | 105                 | 211                 |   |
| 85       | 03/17/2021<br>08:15 AM | Laurel (Extension) Residential Hall | 5 <sup>th</sup> Floor Hallway | 5 <sup>th</sup> Floor Elevator Call Button, Down      | 41         | 105                 | 211                 |   |
| 86       | 03/17/2021<br>08:16 AM | Laurel (Extension) Residential Hall | 6 <sup>th</sup> Floor Hallway | 6 <sup>th</sup> Floor Elevator Call Button, Down      | 87         | 105                 | 211                 |   |
| 87       | 03/17/2021<br>08:16 AM | Laurel (Extension) Residential Hall | 7 <sup>th</sup> Floor Hallway | 7 <sup>th</sup> Floor Elevator Call Button, Down      | 20         | 105                 | 211                 |   |
| 88       | 03/17/2021<br>08:42 AM | Honors College Residential Hall     | 111                           | 1 <sup>st</sup> Floor "Up" Elevator Call Button, Up   | 68         | 105                 | 211                 |   |
| 89       | 03/17/2021<br>08:43 AM | Honors College Residential Hall     | 2 <sup>nd</sup> Floor Hallway | 2 <sup>nd</sup> Floor "Up" Elevator Call Button, Down | 81         | 105                 | 211                 | Elevator Lobby Room 111 side of the building. |

|     |                        |  |                                  |   |       |     |     |   |
|-----|------------------------|--|----------------------------------|---|-------|-----|-----|---|
| 90  | 03/17/2021<br>08:43 AM | Honors<br>College<br>Residential<br>Hall | 3 <sup>rd</sup> Floor<br>Hallway | 3 <sup>rd</sup> Floor “Up” Elevator Call<br>Button, Down    | 56    | 105 | 211 | Elevator Lobby Room 111<br>side of the building.                                  |
| 91  | 03/17/2021<br>08:44 AM | Honors<br>College<br>Residential<br>Hall | 4 <sup>th</sup> Floor<br>Hallway | 4 <sup>th</sup> Floor “Up” Elevator Call<br>Button, Down*   | 213   | 105 | 211 | Elevator Lobby Room 111<br>side of the building. SARS-<br>CoV-2 sample collected. |
| 92  | 03/17/2021<br>08:44 AM | Honors<br>College<br>Residential<br>Hall | 5 <sup>th</sup> Floor<br>Hallway | 5 <sup>th</sup> Floor “Up” Elevator Call<br>Button, Down    | 67    | 105 | 211 | Elevator Lobby Room 111<br>side of the building.                                  |
| 93  | 03/17/2021<br>08:45 AM | Honors<br>College<br>Residential<br>Hall | 6 <sup>th</sup> Floor<br>Hallway | 6 <sup>th</sup> Floor “Up” Elevator Call<br>Button, Down    | 41    | 105 | 211 | Elevator Lobby Room 111<br>side of the building.                                  |
| 94  | 03/17/2021<br>08:46 AM | Honors<br>College<br>Residential<br>Hall | 2 <sup>nd</sup> Floor<br>Hallway | 2 <sup>nd</sup> Floor “Down” Elevator<br>Call Button, Down  | 53    | 105 | 211 | Elevator Lobby Room 105<br>side of the building.                                  |
| 95  | 03/17/2021<br>08:46 AM | Honors<br>College<br>Residential<br>Hall | 3 <sup>rd</sup> Floor<br>Hallway | 3 <sup>rd</sup> Floor “Down” Elevator<br>Call Button, Down  | 170   | 105 | 211 | Elevator Lobby Room 105<br>side of the building.                                  |
| 96  | 03/17/2021<br>08:47 AM | Honors<br>College<br>Residential<br>Hall | 4 <sup>th</sup> Floor<br>Hallway | 4 <sup>th</sup> Floor “Down” Elevator Call<br>Button, Down* | 232   | 105 | 211 | Elevator Lobby Room 105<br>side of the building. SARS-<br>CoV-2 sample collected. |
| 97  | 03/17/2021<br>08:47 AM | Honors<br>College<br>Residential<br>Hall | 5 <sup>th</sup> Floor<br>Hallway | 5 <sup>th</sup> Floor “Down” Elevator Call<br>Button, Down  | 122   | 105 | 211 | Elevator Lobby Room 105<br>side of the building.                                  |
| 98  | 03/17/2021<br>08:48 AM | Honors<br>College<br>Residential<br>Hall | 6 <sup>th</sup> Floor<br>Hallway | 6 <sup>th</sup> Floor “Down” Elevator Call<br>Button, Down  | 106   | 105 | 211 | Elevator Lobby Room 105<br>side of the building.                                  |
| 99  | 03/17/2021<br>10:07 AM | Tiernan Hall                             | 150B                             | Surface of Faucet Handle*                                   | 333   | 105 | 211 | SARS-CoV-2 sample<br>collected.   |
| 100 | 03/17/2021<br>10:08 AM | Tiernan Hall                             | 150B                             | Surface of Microwave, Door<br>Push Button*                  | 2,917 | 105 | 211 | SARS-CoV-2 sample<br>collected.   |

|     |                        |              |        |   |     |     |     |  |
|-----|------------------------|--------------|--------|---|-----|-----|-----|--|
| 101 | 03/17/2021<br>10:08 AM | Tiernan Hall | 150B   | Surface of Copy Machine, Start Button               | 61  | 105 | 211 |  |
| 102 | 03/17/2021<br>10:09 AM | Tiernan Hall | 150B   | Surface of Light Switch                             | 13  | 105 | 211 |  |
| 103 | 03/17/2021<br>10:09 AM | Tiernan Hall | 150D   | Surface of Conference Table, Seat 1                 | 10  | 105 | 211 |  |
| 104 | 03/17/2021<br>10:10 AM | Tiernan Hall | 150D   | Surface of Conference Table, Seat 3                 | 8   | 105 | 211 |  |
| 105 | 03/17/2021<br>10:11 AM | Tiernan Hall | 150D   | Surface of Conference Table, Seat 5                 | 31  | 105 | 211 |  |
| 106 | 03/17/2021<br>10:11 AM | Tiernan Hall | 150D   | Surface of Conference Table, Seat 7                 | 43  | 105 | 211 |  |
| 107 | 03/17/2021<br>10:12 AM | Tiernan Hall | 150D   | Surface of Conference Table, Seat 9                 | 59  | 105 | 211 |  |
| 108 | 03/17/2021<br>10:12 AM | Tiernan Hall | 150D   | Surface of Conference Table, Seat 11                | 21  | 105 | 211 |  |
| 109 | 03/17/2021<br>10:13 AM | Tiernan Hall | 150    | Surface of Door Handle to Hallway                   | 113 | 105 | 211 | Office side of the door. SARS-CoV-2 sample collected.  |
| 110 | 03/17/2021<br>10:37 AM | Tiernan Hall | B-007A | Surface of Work Table, Seat 1                       | 3   | 105 | 211 |  |
| 111 | 03/17/2021<br>10:37 AM | Tiernan Hall | B-007A | Surface of Work Table, Seat 2                       | 5   | 105 | 211 |  |
| 112 | 03/17/2021<br>10:38 AM | Tiernan Hall | B-007A | Surface of Work Table, Seat 3                       | 3   | 105 | 211 |  |
| 113 | 03/17/2021<br>10:38 AM | Tiernan Hall | B-007A | Surface of Work Table, Seat 4                       | 4   | 105 | 211 |  |
| 114 | 03/17/2021<br>10:39 AM | Tiernan Hall | B-007A | Surface of Left Faucet, Cold Knob                   | 78  | 105 | 211 | SARS-CoV-2 sample collected.                           |
| 115 | 03/17/2021<br>10:39 AM | Tiernan Hall | B-007A | Surface of Black Microwave, Door Push Button        | 1   | 105 | 211 |  |
| 116 | 03/17/2021<br>10:40 AM | Tiernan Hall | B-007A | Surface of Fume Hood Glass Barrier, Right Handle    | 21  | 105 | 211 |  |
| 117 | 03/17/2021<br>10:40 AM | Tiernan Hall | B-007A | Surface of Fume Hood, Acid Storage, Right Handle    | 7   | 105 | 211 | Underneath the fume hood.                              |
| 118 | 03/17/2021<br>10:41 AM | Tiernan Hall | B-007A | Surface of Fume Hood Flammable Storage, Left Handle | 36  | 105 | 211 | Underneath the fume hood. SARS-CoV-2 sample collected. |

|     |                        |              |        |   |     |     |     |  |
|-----|------------------------|--------------|--------|---|-----|-----|-----|--|
| 119 | 03/17/2021<br>10:41 AM | Tiernan Hall | B-007A | Surface of Flammable Liquid Storage Cabinet 2 | 116 | 105 | 211 | Second cabinet from the left. SARS-CoV-2 sample collected. |
| 120 | 03/17/2021<br>10:42 AM | Tiernan Hall | B-007A | Surface of Flammable Liquid Storage Cabinet 3 | 5   | 105 | 211 | Third cabinet from the left.                               |
| 121 | 03/17/2021<br>10:42 AM | Tiernan Hall | B-007A | Surface of Acid Storage Cabinet               | 11  | 105 | 211 |  |
| 122 | 03/17/2021<br>11:04 AM | Tiernan Hall | B-007D | Surface of Computer 1, Mouse                  | 51  | 105 | 211 |  |
| 123 | 03/17/2021<br>11:05 AM | Tiernan Hall | B-007D | Surface of Computer 2, Keyboard               | 70  | 105 | 211 |  |
| 124 | 03/17/2021<br>11:05 AM | Tiernan Hall | B-007D | Surface of Computer 3, Mouse                  | 71  | 105 | 211 |  |
| 125 | 03/17/2021<br>11:06 AM | Tiernan Hall | B-007D | Surface of Table 2, Seat 2                    | 77  | 105 | 211 | SARS-CoV-2 sample collected.                               |
| 126 | 03/17/2021<br>11:06 AM | Tiernan Hall | B-007D | Surface of Table 3, Seat 1                    | 16  | 105 | 211 |  |
| 127 | 03/17/2021<br>11:07 AM | Tiernan Hall | B-007D | Surface of Table 4, Seat 2                    | 68  | 105 | 211 | SARS-CoV-2 sample collected.                               |
| 128 | 03/17/2021<br>11:08 AM | Tiernan Hall | B-007D | Surface of Table 5, Seat 1                    | 49  | 105 | 211 |  |
| 129 | 03/17/2021<br>11:08 AM | Tiernan Hall | B-007D | Surface of Table 6, Seat 2                    | 3   | 105 | 211 |  |
| 130 | 03/17/2021<br>11:09 AM | Tiernan Hall | B-007D | Surface of Table 7, Seat 1                    | 9   | 105 | 211 |  |
| 131 | 03/17/2021<br>11:09 AM | Tiernan Hall | B-007D | Surface of H2O Upper-Pressure Nozzle          | 98  | 105 | 211 | SARS-CoV-2 sample collected.                               |
| 132 | 03/17/2021<br>11:10 AM | Tiernan Hall | B-007D | Surface of Sanitation Station 1               | 74  | 105 | 211 | SARS-CoV-2 sample collected.                               |
| 133 | 03/17/2021<br>11:10 AM | Tiernan Hall | B-007D | Surface of Sanitation Station 2               | 4   | 105 | 211 |  |
| 134 | 03/17/2021<br>11:11 AM | Tiernan Hall | B-007D | Surface of Sanitation Station 3               | 5   | 105 | 211 |  |
| 135 | 03/17/2021<br>11:11 AM | Tiernan Hall | B-007D | Surface of Sanitation Station 4               | 7   | 105 | 211 |  |
| 136 | 03/17/2021<br>11:12 AM | Tiernan Hall | B-007D | Surface of Sanitation Station 5               | 9   | 105 | 211 |  |
| 137 | 03/17/2021<br>11:12 AM | Tiernan Hall | B-007D | Surface of Sanitation Station 6               | 15  | 105 | 211 |  |

|     |                        |                          |                               |  |     |     |     |                              |
|-----|------------------------|--------------------------|-------------------------------|--|-----|-----|-----|------------------------------|
| 138 | 03/17/2021<br>11:13 AM | Tiernan Hall             | B-007D                        | Surface of Sanitation Station 7                    | 10  | 105 | 211 |                              |
| 139 | 03/17/2021<br>11:13 AM | Tiernan Hall             | B-007D                        | Surface of Sanitation Station 8                    | 28  | 105 | 211 | SARS-CoV-2 sample collected. |
| 140 | 03/17/2021<br>12:39 PM | Redwood Residential Hall | 3 <sup>rd</sup> Floor Hallway | 3 <sup>rd</sup> Floor Elevator 1 Call Button, Down | 94  | 105 | 211 |                              |
| 141 | 03/17/2021<br>12:40 PM | Redwood Residential Hall | 3 <sup>rd</sup> Floor Hallway | 3 <sup>rd</sup> Floor Elevator 2 Call Button, Down | 121 | 105 | 211 |                              |
| 142 | 03/17/2021<br>12:40 PM | Redwood Residential Hall | 4 <sup>th</sup> Floor Hallway | 4 <sup>th</sup> Floor Elevator 1 Call Button, Down | 0   | 105 | 211 |                              |
| 143 | 03/17/2021<br>12:41 PM | Redwood Residential Hall | 4 <sup>th</sup> Floor Hallway | 4 <sup>th</sup> Floor Elevator 2 Call Button, Down | 13  | 105 | 211 |                              |
| 144 | 03/17/2021<br>12:41 PM | Redwood Residential Hall | 5 <sup>th</sup> Floor Hallway | 5 <sup>th</sup> Floor Elevator 1 Call Button, Down | 58  | 105 | 211 |                              |
| 145 | 03/17/2021<br>12:42 PM | Redwood Residential Hall | 5 <sup>th</sup> Floor Hallway | 5 <sup>th</sup> Floor Elevator 2 Call Button, Down | 33  | 105 | 211 |                              |
| 146 | 03/17/2021<br>12:48 PM | Cypress Residential Hall | 2 <sup>nd</sup> Floor Hallway | 2 <sup>nd</sup> Floor Elevator Call Button, Down   | 91  | 105 | 211 |                              |
| 147 | 03/17/2021<br>12:49 PM | Cypress Residential Hall | 3 <sup>rd</sup> Floor Hallway | 3 <sup>rd</sup> Floor Elevator Call Button, Down   | 34  | 105 | 211 |                              |
| 148 | 03/17/2021<br>12:50 PM | Cypress Residential Hall | 4 <sup>th</sup> Floor Hallway | 4 <sup>th</sup> Floor Elevator Call Button, Down*  | 213 | 105 | 211 | SARS-CoV-2 sample collected. |
| 149 | 03/17/2021<br>12:50 PM | Cypress Residential Hall | 5 <sup>th</sup> Floor Hallway | 5 <sup>th</sup> Floor Elevator Call Button, Down   | 26  | 105 | 211 |                              |
| 150 | 03/17/2021<br>12:51 PM | Cypress Residential Hall | 6 <sup>th</sup> Floor Hallway | 6 <sup>th</sup> Floor Elevator Call Button, Down   | 34  | 105 | 211 |                              |
| 151 | 03/17/2021<br>12:51 PM | Cypress Residential Hall | 7 <sup>th</sup> Floor Hallway | 7 <sup>th</sup> Floor Elevator Call Button, Down   | 45  | 105 | 211 |                              |

|     |                        |                             |                               |   |     |     |     |                              |
|-----|------------------------|-----------------------------|-------------------------------|---|-----|-----|-----|------------------------------|
| 152 | 03/17/2021<br>12:52 PM | Cypress Residential Hall    | 8 <sup>th</sup> Floor Hallway | 8 <sup>th</sup> Floor Elevator Call Button, Down* | 326 | 105 | 211 | SARS-CoV-2 sample collected. |
| 153 | 03/17/2021<br>01:03 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Window Bench, Seat 1                   | 8   | 105 | 211 |                              |
| 154 | 03/17/2021<br>01:04 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Window Bench, Seat 3                   | 18  | 105 | 211 |                              |
| 155 | 03/17/2021<br>01:05 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Window Bench, Seat 5                   | 105 | 105 | 211 |                              |
| 156 | 03/17/2021<br>01:05 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Table 1, Seat 1                        | 106 | 105 | 211 |                              |
| 157 | 03/17/2021<br>01:06 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Table 1, Seat 2                        | 124 | 105 | 211 |                              |
| 158 | 03/17/2021<br>01:06 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Table 2, Seat 1                        | 27  | 105 | 211 |                              |
| 159 | 03/17/2021<br>01:07 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Table 2, Seat 2                        | 56  | 105 | 211 |                              |
| 160 | 03/17/2021<br>01:08 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Round Table 1                          | 24  | 105 | 211 |                              |
| 161 | 03/17/2021<br>01:08 PM | Central King Building (CKB) | 3 <sup>rd</sup> Floor Lounge  | Surface of Round Table 2                          | 151 | 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:**

- 20-out-of-161 representative ATP surface samples collected reported elevated ATP levels (12.4% of samples).
- Omega Environmental Services collected SARS-CoV-2 surface samples on all representative surfaces with elevated ATP levels, that were not re-cleaned by NJIT Building Services.

**Surface SARS-CoV-2 Swab Data: 3/16- 3/17/2021**

| <b>Sample No.</b> | <b>SARS-CoV-2 Swab Sample Locations</b>  | <b>Result (Positive/Negative)</b> |
|-------------------|--|-----------------------------------|
| 1                 | Weston Hall, Studio 710-730, Surface of Table 2  | Negative                          |
| 2                 | Weston Hall, Studio 710-730, Surface of Table 4, Seat 6                                    | Negative                          |
| 3                 | Weston Hall, Studio 710-730, Surface of Table 5, Seat 3                                    | Negative                          |
| 4                 | Weston Hall, Studio 710-730, Surface of Table 6, Seat 5                                    | Negative                          |
| 5                 | Weston Hall, Studio 710-730, Surface of Table 7, Seat 1                                    | Negative                          |
| 6                 | Weston Hall, Room 760, Surface of Table 1  | Negative                          |
| 7                 | Weston Hall, Room 767, Surface of Personal CNC 770 Machine, Start Button                   | Negative                          |
| 8                 | Weston Hall, Room 767, Surface of Table Saw Handle   | Negative                          |
| 9                 | Weston Hall, Room 767, Surface of Bench Vice Handle  | Negative                          |
| 10                | Weston Hall, Room 767, Surface of Combination Shear, Brake, & Roll Machine, Right Handle   | Negative                          |
| 11                | Campus Center, 1 <sup>st</sup> Floor Sitting Area, Surface of ATM Touch Screen             | Negative                          |
| 12                | Campus Center, 1 <sup>st</sup> Floor Sitting Area, Surface of Table 3, Seat 1              | Negative                          |
| 13                | Campus Center, 1 <sup>st</sup> Floor Sitting Area, Surface of Table 4, Seat 2              | Negative                          |
| 14                | Campus Center, 1 <sup>st</sup> Floor Sitting Area, Surface of Table 4, Seat 4              | Negative                          |
| 15                | Campus Center, 1 <sup>st</sup> Floor Sitting Area, Surface of Table 6, Seat 2              | Negative                          |
| 16                | Central King Building (CKB), Basement Lounge, Surface of Table 1, Seat 1                   | Negative                          |
| 17                | Central King Building (CKB), Basement Lounge, Surface of Round Table 2                     | Negative                          |
| 18                | Kupfrian Hall, Basement Sitting Area, Surface of Table 1                                   | Negative                          |
| 19                | Cullimore Hall, 1 <sup>st</sup> Floor Drink Vending Machine, Keypad                        | Negative                          |
| 20                | Cullimore Hall, 1 <sup>st</sup> Floor Snack Vending Machine, Touch Screen                  | Negative                          |
| 21                | Cullimore Hall, 2 <sup>nd</sup> Floor Drink Vending Machine, Keypad                        | Negative                          |
| 22                | Cullimore Hall, 2 <sup>nd</sup> Floor Snack Vending Machine, Touch Screen                  | Negative                          |
| 23                | Laurel Residential Hall, 1 <sup>st</sup> Floor Elevator Call Button, Up                    | Negative                          |
| 24                | Honors College Residential Hall, 4 <sup>th</sup> Floor "Up" Elevator Call Button, Down     | Negative                          |
| 25                | Honors College Residential Hall, 4 <sup>th</sup> Floor "Down" Elevator Call Button, Down   | Negative                          |
| 26                | Tiernan Hall, Room 387, Table Surface  | Negative                          |
| 27                | Tiernan Hall, Room 150B, Surface of Faucet Handle  | Negative                          |
| 28                | Tiernan Hall, Room 150B, Surface of Microwave Door Push Button                             | Negative                          |
| 29                | Tiernan Hall, Room 150, Surface of Door Handle to Hallway, Office Side of the Door         | Negative                          |
| 30                | Tiernan Hall, Room B-007A, Surface of Left Faucet, Cold Knob                               | Negative                          |
| 31                | Tiernan Hall, Room B-007A, Surface of Fume Hood "Flammables" Storage, Left Handle          | Negative                          |
| 32                | Tiernan Hall, Room B-007A, Surface of Surface of Flammable Liquid Storage Cabinet 2 Handle | Negative                          |
| 33                | Tiernan Hall, Room B-007D, Surface of Table 2, Seat 2                                      | Negative                          |
| 34                | Tiernan Hall, Room B-007D, Surface of Table 4, Seat 2                                      | Negative                          |
| 35                | Tiernan Hall, Room B-007D, Surface of H2O Upper-Pressure Nozzle                            | Negative                          |
| 36                | Tiernan Hall, Room B-007D, Surface of Sanitation Station 1                                 | Negative                          |
| 37                | Tiernan Hall, Room B-007D, Surface of Sanitation Station 8                                 | Negative                          |
| 38                | Cypress Residential Hall, 4 <sup>th</sup> Floor Elevator Call Button, Down                 | Negative                          |
| 39                | Cypress Residential Hall, 8 <sup>th</sup> Floor Elevator Call Button, Down                 | Negative                          |

**SARS-CoV-2 Air Sample Data: 3/16- 3/17/2021**

| <b>Sample No.</b> | <b>SARS-CoV-2 Air Sample Locations</b>   | <b>Result (Positive/Negative)</b> |
|-------------------|--|-----------------------------------|
| 1                 | Weston Hall, Studio 710-730  | Negative                          |
| 2                 | Weston Hall, Room 760  | Negative                          |
| 3                 | Weston Hall, Room 767  | Negative                          |
| 4                 | Campus Center, 1 <sup>st</sup> Floor Sitting Area, Next to ATM                           | Negative                          |
| 5                 | Central King Building (CKB), Basement Lounge   | Negative                          |
| 6                 | Cullimore Hall, 1 <sup>st</sup> Floor Hallway, Next to Vending Machines                  | Negative                          |
| 7                 | Cullimore Hall, 2 <sup>nd</sup> Floor Hallway, Next to Vending Machines                  | Negative                          |
| 8                 | Kupfrian Hall, Basement Sitting Area   | Negative                          |
| 9                 | Laurel Residential Hall, Vestibule   | Negative                          |
| 10                | Laurel (Extension) Residential Hall, 1 <sup>st</sup> Floor Hallway, Next to the Elevator | Negative                          |
| 11                | Life Sciences & Engineering Center (LSEC), 1 <sup>st</sup> Floor Sitting Area (Room 102) | Negative                          |
| 12                | Honors College Residential Hall, 1 <sup>st</sup> Floor Lobby                             | Negative                          |
| 13                | Cypress Residential Hall, 1 <sup>st</sup> Floor Lobby                                    | Negative                          |
| 14                | Tiernan Hall, Room B-007D  | Negative                          |
| 15                | Central King Building (CKB), 3 <sup>rd</sup> Floor Lounge                                | Negative                          |

**Data Interpretation:**

- Laboratory results indicate all the SARS-CoV-2 air samples collected on 3/16 and 3/17/2021 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: 21-1040

Sample date: 3-16-2021

Submittal date: 3-16-2021

Sample received: 3-17-2021

Samples submitted by: Ross Hernandez

Date analysis completed: March 18, 2021

Prestige Report number: 210317-02

RT-PCR 2019-nCoV:

Presence/Non-Detected Analysis of Air samples for SARS-CoV-2 Genetic Markers

| Prestige #<br>Client sample ID<br>Location                     | 2019-nCoV<br>(N1 Protein) | Cycle Threshold<br>(Ct) Value <sup>3</sup><br>(N1 Protein) | 2019-nCoV<br>(N2 Protein) | Cycle Threshold<br>Value <sup>3</sup><br>(N2 Protein) | Presence/<br>Non-Detected |
|--|---------------------------|--|---------------------------|---|---------------------------|
| 210317-02-011<br>05<br>CKB, Basement Lounge                    | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210317-02-014<br>08<br>Kupfrian Hall, Basement<br>Sitting Area | ND                        | ND   | ND                        | ND  | Non-Detected              |

RT-PCR 2019-nCoV: Quantitative Analysis of Air samples for SARS-CoV-2 Genetic Markers

| Prestige #<br>Client sample ID<br>Location   | 2019-nCoV<br>(N1 Protein) | Cycle Threshold<br>(Ct) Value <sup>3</sup><br>(N1 Protein) | 2019-nCoV<br>(N2 Protein) | Cycle Threshold<br>Value <sup>3</sup><br>(N2 Protein) | Conc. (copies of<br>RNA/L) |
|--|---------------------------|--|---------------------------|---|----------------------------|
| 210317-02-007<br>01<br>Weston Hall, Studio 710-730   | ND                        | ND   | ND                        | ND  | NA                         |
| 210317-02-008<br>02<br>Weston Hall, Room 760   | ND                        | ND   | ND                        | ND  | NA                         |
| 210317-02-009<br>03<br>Weston Hall, Room 767   | ND                        | ND   | ND                        | ND  | NA                         |
| 210317-02-010<br>04<br>Campus Center, 1 <sup>st</sup> Floor<br>Sitting Area, Next to ATM             | ND                        | ND   | ND                        | ND  | NA                         |
| 210317-02-012<br>06<br>Cullimore Hall, 1 <sup>st</sup> Floor<br>Hallway, Next to Vending<br>Machines | ND                        | ND   | ND                        | ND  | NA                         |

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|  |    |    |    |    |    |
|--|----|----|----|----|----|
| 210317-02-013<br>07<br>Cullimore Hall, 2 <sup>nd</sup> Floor<br>Hallway, Next to Vending<br>Machines | ND | ND | ND | ND | NA |
|--|----|----|----|----|----|

RT-PCR 2019-nCoV:

Presence/Non-detection Analysis of Swab samples for the SARS-CoV-2 Genetic Markers

| Prestige #<br>Client sample ID<br>Location  | 2019-nCoV<br>(N1 Protein) | Cycle Threshold<br>(Ct) Value <sup>3</sup><br>(N1 Protein) | 2019-nCoV<br>(N2 Protein) | Cycle Threshold<br>Value <sup>3</sup><br>(N2 Protein) | Presence/<br>Non-<br>Detected |
|---|---------------------------|--|---------------------------|---|-------------------------------|
| 210317-02-026<br>12<br>Campus Center, 1 <sup>st</sup> Floor<br>Sitting area, Surface of<br>Table<br>3, Seat 1 | ND                        | ND   | ND                        | ND  | Non-<br>Detected              |
| 210317-02-027<br>13<br>Campus Center, 1 <sup>st</sup> Floor<br>Sitting area, Surface of<br>Table<br>4, Seat 2 | ND                        | ND   | ND                        | ND  | Non-<br>Detected              |
| 210317-02-028<br>14<br>Campus Center, 1 <sup>st</sup> Floor<br>Sitting area, Surface of<br>Table<br>4, Seat 4 | ND                        | ND   | ND                        | ND  | Non-<br>Detected              |
| 210317-02-029<br>15<br>Campus Center, 1 <sup>st</sup> Floor<br>Sitting area, Surface of<br>Table<br>6, Seat 2 | ND                        | ND   | ND                        | ND  | Non-<br>Detected              |
| 210317-02-030<br>16<br>CKB, Basement Lounge,<br>Surface of Table 1, Seat 1                                    | ND                        | ND   | ND                        | ND  | Non-<br>Detected              |
| 210317-02-031<br>17<br>CKB, Basement Lounge,<br>Surface of Round Table 2                                      | ND                        | ND   | ND                        | ND  | Non-<br>Detected              |
| 210317-02-032<br>18<br>Kupfrian Hall, Basement<br>Sitting Area, Surface of<br>Table 1                         | ND                        | ND   | ND                        | ND  | Non-<br>Detected              |

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RT-PCR 2019-nCoV: Quantitative Analysis of Swab samples for SARS-CoV-2 Genetic Markers

| Prestige #<br>Client sample ID<br>Location   | 2019-nCoV<br>(N1 Protein) | Cycle Threshold<br>(Ct) Value <sup>3</sup><br>(N1 Protein) | 2019-nCoV<br>(N2 Protein) | Cycle Threshold<br>Value <sup>3</sup><br>(N2 Protein) | Conc. (copies<br>of RNA/cm <sup>2</sup> ) |
|--|---------------------------|--|---------------------------|---|---|
| 210317-02-015<br>01<br>Weston Hall, Studio 710-730,<br>Surface of Table 2                  | ND                        | ND   | ND                        | ND  | NA  |
| 210317-02-016<br>02<br>Weston Hall, Studio 710-730,<br>Surface of Table 4, Seat 6          | ND                        | ND   | ND                        | ND  | NA  |
| 210317-02-017<br>03<br>Weston Hall, Studio 710-730,<br>Surface of Table 5, Seat 3          | ND                        | ND   | ND                        | ND  | NA  |
| 210317-02-018<br>04<br>Weston Hall, Studio 710-730,<br>Surface of Table 6, Seat 5          | ND                        | ND   | ND                        | ND  | NA  |
| 210317-02-019<br>05<br>Weston Hall, Studio 710-730,<br>Surface of Table 7, Seat 1          | ND                        | ND   | ND                        | ND  | NA  |
| 210317-02-020<br>06<br>Weston Hall, Room 760,<br>Surface of Table 1                        | ND                        | ND   | ND                        | ND  | NA  |
| 210317-02-021<br>07<br>Weston Hall, Room 767,<br>Personal CNC 770 Machine,<br>Start Button | ND                        | ND   | ND                        | ND  | NA  |
| 210317-02-022<br>08<br>Weston Hall, Room 767,<br>Table<br>Saw Handle                       | ND                        | ND   | ND                        | ND  | NA  |
| 210317-02-023<br>09<br>Weston Hall, Room 767,<br>Bench Vice Handle                         | ND                        | ND   | ND                        | ND  | NA  |

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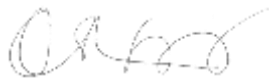
|   |    |    |    |    |    |
|---|----|----|----|----|----|
| 210317-02-024<br>10<br>Weston Hall, Room 767,<br>Combination Shear, Brake,<br>&<br>Roll Machine, Right Handle | ND | ND | ND | ND | NA |
| 210317-02-025<br>11<br>Campus Center, 1 <sup>st</sup> Floor<br>Sitting Area, ATM Touch<br>Screen              | ND | ND | ND | ND | NA |
| 210317-02-033<br>19<br>Cullimore Hall, 1 <sup>st</sup> Floor<br>Drink<br>Vending Machine, Keypad              | ND | ND | ND | ND | NA |
| 210317-02-034<br>20<br>Cullimore Hall, 1 <sup>st</sup> Floor<br>Snack Vending Machine,<br>Touch Screen        | ND | ND | ND | ND | NA |
| 210317-02-035<br>21<br>Cullimore Hall, 2 <sup>nd</sup> Floor<br>Drink Vending Machine,<br>Keypad              | ND | ND | ND | ND | NA |
| 210317-02-036<br>22<br>Cullimore Hall, 2 <sup>nd</sup> Floor<br>Snack Vending Machine,<br>Touch Screen        | 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



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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>

# *Prestige EnviroMicrobiology, Inc.*

## **Analytical Test Report**

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

Client Project/Name: 21-1040

Sample date: 3-17-2021

Submittal date: 3-17-2021

Sample received: 3-18-2021

Samples submitted by: Ross Hernandez

Date analysis completed: March 19, 2021

Prestige Report number: 210318-01

RT-PCR 2019-nCoV:

Presence/Non-Detected Analysis of Air samples for SARS-CoV-2 Genetic Markers

| Prestige #<br>Client sample ID<br>Location   | 2019-nCoV<br>(N1 Protein) | Cycle Threshold<br>(Ct) Value <sup>3</sup><br>(N1 Protein) | 2019-nCoV<br>(N2 Protein) | Cycle Threshold<br>Value <sup>3</sup><br>(N2 Protein) | Presence/<br>Non-Detected |
|--|---------------------------|--|---------------------------|---|---------------------------|
| 210318-01-001<br>09<br>Laurel Hall, Vestibule  | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-002<br>10<br>Laurel (EXT) Hall, 1 <sup>st</sup> Fl<br>Hallway, Near the Elevator | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-003<br>11<br>LSEC, 1 <sup>st</sup> Floor Sitting<br>Area,<br>Room 102            | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-004<br>12<br>Honors College Hall,<br>Lobby                                       | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-005<br>13<br>Cypress Hall, Lobby   | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-007<br>15<br>CKB, 3 <sup>rd</sup> Floor Lounge                                   | ND                        | ND   | ND                        | ND  | Non-Detected              |

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RT-PCR 2019-nCoV: Quantitative Analysis of Air samples for SARS-CoV-2 Genetic Markers

| Prestige #<br>Client sample ID<br>Location           | 2019-nCoV<br>(N1 Protein) | Cycle Threshold<br>(Ct) Value <sup>3</sup><br>(N1 Protein) | 2019-nCoV<br>(N2 Protein) | Cycle Threshold<br>Value <sup>3</sup><br>(N2 Protein) | Conc. (copies of<br>RNA/L) |
|--|---------------------------|--|---------------------------|---|----------------------------|
| 210318-01-006<br>14<br>Tiernan Hall, Room B-<br>007D | ND                        | ND   | ND                        | ND  | NA                         |

RT-PCR 2019-nCoV:

Presence/Non-detection Analysis of Swab samples for the SARS-CoV-2 Genetic Markers

| Prestige #<br>Client sample ID<br>Location  | 2019-nCoV<br>(N1 Protein) | Cycle Threshold<br>(Ct) Value <sup>3</sup><br>(N1 Protein) | 2019-nCoV<br>(N2 Protein) | Cycle Threshold<br>Value <sup>3</sup><br>(N2 Protein) | Presence/<br>Non-Detected |
|---|---------------------------|--|---------------------------|---|---------------------------|
| 210318-01-008<br>23<br>Laurel Hall, 1 <sup>st</sup> Floor<br>Elevator<br>Call Button, Up                        | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-009<br>24<br>Honors College Hall, 4 <sup>th</sup><br>Floor<br>“Up” Elevator Call Button,<br>Down      | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-010<br>25<br>Honors College Hall, 4 <sup>th</sup><br>Floor<br>“Down” Elevator Call<br>Button,<br>Down | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-023<br>38<br>Cypress Hall, 4 <sup>th</sup> Floor<br>Elevator Call Button, Down                        | ND                        | ND   | ND                        | ND  | Non-Detected              |
| 210318-01-024<br>39<br>Cypress Hall, 8 <sup>th</sup> Floor<br>Elevator Call Button, Down                        | ND                        | ND   | ND                        | ND  | Non-Detected              |

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RT-PCR 2019-nCoV: Quantitative Analysis of Swab samples for SARS-CoV-2 Genetic Markers

| Prestige #<br>Client sample ID<br>Location   | 2019-nCoV<br>(N1 Protein) | Cycle Threshold<br>(Ct) Value <sup>3</sup><br>(N1 Protein) | 2019-nCoV<br>(N2 Protein) | Cycle Threshold<br>Value <sup>3</sup><br>(N2 Protein) | Conc. (copies of<br>RNA/cm <sup>2</sup> ) |
|--|---------------------------|--|---------------------------|---|---|
| 210318-01-011<br>26<br>Tiernan Hall, Room 387,<br>Table Surface  | ND                        | ND   | ND                        | ND  | NA  |
| 210318-01-012<br>27<br>Tiernan Hall, Room 150B,<br>Faucet Handle   | ND                        | ND   | ND                        | ND  | NA  |
| 210318-01-013<br>28<br>Tiernan Hall, Room 150B,<br>Surface of Microwave,<br>Door<br>Push Button                    | ND                        | ND   | ND                        | ND  | NA  |
| 210318-01-014<br>29<br>Tiernan Hall, Room 150,<br>Door<br>Handle to Hallway, Office<br>Side                        | ND                        | ND   | ND                        | ND  | NA  |
| 210318-01-015<br>30<br>Tiernan Hall, Room B-<br>007A,<br>Surface of Left Faucet,<br>Cold<br>Knob                   | ND                        | ND   | ND                        | ND  | NA  |
| 210318-01-016<br>31<br>Tiernan Hall, Room B-<br>007A,<br>Surface of Fume Hood<br>Flammable Storage, Left<br>Handle | ND                        | ND   | ND                        | ND  | NA  |
| 210318-01-017<br>32<br>Tiernan Hall, Room B-<br>007A,<br>Surface of Flammable<br>Liquid<br>Storage Cabinet 2       | ND                        | ND   | ND                        | ND  | NA  |
| 210318-01-018<br>33<br>Tiernan Hall, Room B-<br>007D,<br>Surface of Table 2, Seat 2                                | ND                        | ND   | ND                        | ND  | NA  |

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|   |    |    |    |    |    |
|---|----|----|----|----|----|
| 210318-01-019<br>34<br>Tiernan Hall, Room B-007D,<br>Surface of Table 4, Seat 2           | ND | ND | ND | ND | NA |
| 210318-01-020<br>35<br>Tiernan Hall, Room B-007D,<br>Surface of H2O Upper Pressure Nozzle | ND | ND | ND | ND | NA |
| 210318-01-021<br>36<br>Tiernan Hall, Room B-007D,<br>Surface of Sanitation Station 1      | ND | ND | ND | ND | NA |
| 210318-01-022<br>37<br>Tiernan Hall, Room B-007D,<br>Surface of Sanitation Station 8      | 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.
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