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Client: **SAMPLE REPORT**

Date of Collection: **03/18/2020**

Testing Type: **Surrogate Clinical Bacterial Indicator**  
**(Surface Cleaning Evaluation)**

Client: **SAMPLE**

Inspection Site Address: **SAMPLE**

Email: **SAMPLE**

Phone: **SAMPLE**

## **Background information:**

The client has requested test kits for surface evaluation of the presence of human respiratory bacteria, subsequent to the start of additional sanitation procedures to reduce the spread of COVID-19 organisms.

## **Legal disclaimer:**

This report does not constitute legal advice or clinical representation of the presence or absence of the virus COVID-19. This report should solely be used as a surrogate bacterial test. Hawk Environmental Services encourages individuals and organizations to take universal precautions based on the most current advice from public health officials. For additional information, please see <https://www.cdc.gov/coronavirus/2019-nCoV/index.html>.

## **Scope of Testing:**

Surface area sampling may be performed to indicate the bacterial population of a particular area. Wipe samples are indicated when bacterial growth is suspect and when enumeration and identification of the bacteria may be relevant to a particular situation. The assessment of microorganisms may be useful in evaluating the hygienic status of a particular environment.

This test can be used to evaluate the existing microbial population of a surface area and also to evaluate the effectiveness of surface cleaning by using the bacterial bioburden and the categories of bacterial isolated (human respiratory/activity vs environmental) as an indicator for the potential of viral presence.

It reflects a clinical protocol using Blood Agar to recover respiratory organisms such as; alpha strep, gamma strep, gnr, S. aureus, etc., in addition to recovering environmental bacteria for a more complete picture of the bacterial population.

## RESULTS

Sample Number	Sample Collection Location	Samples in Acceptable Condition	Organisms Isolated	Organisms from potential human source identified?
1	Shop Bathroom Door Handle	YES	No Growth	NO
2	Sales Office Phone Receiver	YES	No Growth	NO
3	Shop Door Handle (interior)	YES	Coag-negative Staphylococcus species	YES
4	Shop Refrigerator Door Handle	YES	No Growth	NO
5	Employee Keyboard	YES	alpha-hemolytic Streptococcus species Coag-negative Staphylococcus species	YES
6	Employee Desk	YES	alpha-hemolytic Streptococcus species Coag-negative Staphylococcus species	YES

## GLOSSARY

**alpha-hemolytic Streptococcus species:** Streptococcus are gram-positive, Catalase-negative, non spore-forming bacteria. They are usually found as parasites of humans and other animals though some species are normal microbiota of the oral cavity and respiratory tract. Alpha-hemolytic Streptococcus species cause oxidation of iron in red blood cells. The most clinically significant alpha-hemolytic species of Streptococcus are *S. pneumoniae* and *S. viridians* group.

**Coag-negative Staphylococcus species:** Staphylococcus are non spore-forming, gram-positive cocci. Coagulase Negative Staphylococcus species constitute a major part of the normal microbiota of humans.

## Raw Lab Data

Client Sample #: 1	Lab Sample #: _____
Sample Location: Shop Bathroom Door Handle	
Test: 2037, Culture, Wipe/Surface - Surrogate Clinical Bacterial Indicator	
Results: <b>No Growth</b>	Area: <b>Swab</b> MRL: <b>10</b>
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Client Sample #: 2	Lab Sample #: _____2
Sample Location: Sales Office Phone Receiver	
Test: 2037, Culture, Wipe/Surface - Surrogate Clinical Bacterial Indicator	
Results: <b>No Growth</b>	Area: <b>Swab</b> MRL: <b>10</b>
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Client Sample #: 3	Lab Sample #: _____3
Sample Location: Shop Door Handle - Interior	
Test: 2037, Culture, Wipe/Surface - Surrogate Clinical Bacterial Indicator	
Results: <b>10 CFU/swab</b>	Area: <b>Swab</b>
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Organism(s) Isolated:	Raw Count      CFU/swab      % Total      MRL
Coag-negative Staphylococcus species	1                  10                  100                  10
	1                  10                  ~100%

## Raw Lab Data (continued)

Client Sample #: 4	Lab Sample #: _____
Sample Location: Shop Refrigerator Door Handle	
Test: 2037, Culture, Wipe/Surface - Surrogate Clinical Bacterial Indicator	
Results: <b>No Growth</b>	Area: <b>Swab</b> MRL: <b>10</b>
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Client Sample #: 5	Lab Sample #: _____
Sample Location: Employee Keyboard	
Test: 2037, Culture, Wipe/Surface - Surrogate Clinical Bacterial Indicator	
Results: <b>160 CFU/swab</b>	Area: <b>Swab</b>
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Organism(s) Isolated:	Raw Count      CFU/swab      % Total      MRL
alpha-hemolytic Streptococcus species	9                  90                  56                  10
Coag-negative Staphylococcus species	7                  70                  44                  10
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	16                  160                  ~100%

Client Sample #: 6	Lab Sample #: _____
Sample Location: Employee Desk	
Test: 2037, Culture, Wipe/Surface - Surrogate Clinical Bacterial Indicator	
Results: <b>290 CFU/swab</b>	Area: <b>Swab</b>
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Organism(s) Isolated:	Raw Count      CFU/swab      % Total      MRL
alpha-hemolytic Streptococcus species	21                  210                  72                  10
Coag-negative Staphylococcus species	8                  80                  28                  10
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	29                  290                  ~100%