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<b>Customer Name:</b>	U.S. Micro Solutions, Inc.	<b>Sample Date:</b>	March 31, 2023
<b>Customer Address:</b>	302 Unity Plaza Latrobe, PA 15650	<b>Date Received:</b>	April 4, 2023
<b>Customer Phone:</b>	(724) 853-4047	<b>Date of Report:</b>	April 10, 2023
<b>PO Number:</b>		<b>Fax:</b>	
<b>Project Name/Number:</b>	Bacterial Culture Sample Report	<b>Attention:</b>	John Smith

Customer sample numbers below are uniquely identified by prefixing Laboratory # 12345-23

**Culturable Bioaerosol Samples (Bacteria) - Analytical Method MIC 03, MIC 04, MIC 18**

Sample Number	Media	Sample Description	Results of Microbial Analysis	Raw CTs		
<b>B7</b>	TSA	Office	Total Bacterial Count	71	CFU/m <sup>3</sup> of air	
			Micrococcus/Kocuria spp.		2	
			Coagulase-negative Staphylococcus spp.		2	
			Coryneform bacillus		2	
			Total Raw Count:	6		
Total Volume:	84	liters of air				
Analytical Sensitivity:	12	CFU/m <sup>3</sup> of air				
<b>B8</b>	TSA	Fitness/Gym	Total Bacterial Count	24	CFU/m <sup>3</sup> of air	
			Coryneform bacillus		2	
			Total Raw Count:	2		
			Total Volume:	84	liters of air	
			Analytical Sensitivity:	12	CFU/m <sup>3</sup> of air	
<b>B9</b>	TSA	Outside	Total Bacterial Count	107	CFU/m <sup>3</sup> of air	
			Coryneform bacillus		6	
			Micrococcus/Kocuria spp.		2	
			Coagulase-negative Staphylococcus spp.		1	
			Total Raw Count:	9		
Total Volume:	84	liters of air				
Analytical Sensitivity:	12	CFU/m <sup>3</sup> of air				

**CFU/mL = colony forming units per milliliter**

Samples are in good condition unless otherwise noted. Results relate only to the samples tested as received. Results are reported as calculated. For biological data, the first and/or second digit should be considered significant. Individual counts may not equal total count due to rounding. Organisms are listed in order of predominance.

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**Technical Manager:** Deanna L. Kiska  
 Deanna L. Kiska, Ph.D.

*Micrococcus/Kocuria spp.* - *Micrococcus* and *Kocuria* species are gram-positive, spherical bacteria which are widespread in nature and commonly found, along with coagulase-negative *Staphylococcus spp.*, as normal flora on the skin of humans and mammals. They are carried on the skin of most (~96%) people, with *M. luteus* being the predominant species. Animal and dairy products are considered secondary sources. While these organisms are generally non-pathogenic, they may act as opportunistic pathogens.

*Coagulase-negative Staphylococcus spp.* - Coagulase-negative staphylococci (CoNS) are gram-positive, spherical bacteria. The major habitats of CoNS are the skin and mucous membranes of mammals and birds. In humans, *S. epidermidis* is the most frequently isolated staphylococcal species colonizing the body surface. A few of the CoNS are important human pathogens and include *S. epidermidis*, *S. haemolyticus*, *S. lugdunensis*, and *S. saprophyticus*. CoNS have been increasingly recognized as health-care associated pathogens, particularly in patients with indwelling medical devices.

*Coryneform bacillus* - *Coryneform bacilli* are gram-positive, irregular, rod-shaped bacteria. Many species are part of the normal flora of the skin and mucous membranes in human and mammals. Other coryneform bacilli have been found in the inanimate environment, e.g. dairy products, plants, soil, and activated sludge. Coryneforms are a large group and include genera such as *Corynebacterium*, *Dermabacter*, *Brevibacterium*, *Microbacterium*, and *Cellulomonas*. Some species are opportunistic human pathogens.