

ISO 9001: 2015 NO-801202

Microbial Analysis Report

TSS Training

Service Order:

NC-TRAI2452NGA-1

Sampled Date:

03/25/2024

Training Facility

Lab Project ID:

2408500003

Received Date:

03/26/2024

620 Hearst Ave

Report Date:

04/04/2024

Berkeley, CA 94710

Sample ID	Sample Type	Media	ISO Class	CFU Result	Result	Comments
A1	Active Air	TSA Settling Plate	ISO-5	12	OOC	Exceeds Action Limits
A2	Active Air	TSA Settling Plate	ISO-7	1	Acceptable	
Air Control	Active Air	TSA Settling Plate	NA	0	No Growth	
S1	Surface	TSA Contact Plate	ISO-5	0	No Growth	
S2	Surface	TSA Contact Plate	ISO-7	0	No Growth	
Surface Control	Surface	TSA Contact Plate	NA	0	No Growth	

No Growth: No growth of microorganisms.

Acceptable: Growth of microorganisms.

FIO: For Information Only.

TNTC: Too Numerous to Count.

OOC: Out of Compliance. Unacceptable concentrations or presence of actionable microorganisms.

CFU Result: CFU results are reported as CFU/m³ for all Active Air samples, and CFU/plate for all Surface, Fingertip, and Passive Air samples. TNTC represents a total CFU count that is innumerable. CFU totals are not applicable for Media Fill samples.

TBD: To be determined.

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Sample ID: A1	Active Air		Lab Sample ID: 2408500003-1
Test: USP <1116> Single Media Dual Incubation w/ no IDs			ISO Class: ISO-5
Condition of sample upon receipt: Media in good condition			Sample Size: 1000 Liters
Positive Holes: 400			Alert Limit: NA
Positive Hole Corrected Result: 12 CFU/m³			Action Limit: 10
Final Result: OOC	Media: TSA Settling Plate	Lot: 123456789	Exp. 2024-04-30
Temperature: 30-35 C	Start Date: 03/26/2024	End Date: 03/28/2024	
	Growth:	5	5 41.67%
Temperature: 20-25 C	Start Date: 03/28/2024	End Date: 04/03/2024	
	Growth:	7	7 58.33%
	Total Growth:	12	12 100.00%

Sample ID: A2	Active Air		Lab Sample ID: 2408500003-2
Test: USP <1116> Single Media Dual Incubation w/ no IDs			ISO Class: ISO-7
Condition of sample upon receipt: Media in good condition			Sample Size: 1000 Liters
Positive Holes: 400			Alert Limit: NA
Positive Hole Corrected Result: 1 CFU/m³			Action Limit: 30
Final Result: Acceptable	Media: TSA Settling Plate	Lot: 123456789	Exp. 2024-04-30
Temperature: 30-35 C	Start Date: 03/26/2024	End Date: 03/28/2024	
Temperature: 20-25 C	Start Date: 03/28/2024	End Date: 04/03/2024	
	Growth:	1	1 100.00%
	Total Growth:	1	1 100.00%

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Sample ID: Air Control	Active Air	Lab Sample ID: 2408500003-3
Test: USP <1116> Single Media Dual Incubation w/ no IDs		ISO Class: NA
Condition of sample upon receipt: Media in good condition		Sample Size: NA NA
Positive Holes: 400		Alert Limit: NA
Positive Hole Corrected Result: 0 CFU/m³		Action Limit: NA
Final Result: No Growth	Media: TSA Settling Plate Lot: 123456789	Exp. 2024-04-30
Temperature: 30-35 C	Start Date: 03/26/2024	End Date: 03/28/2024
Temperature: 20-25 C	Start Date: 03/28/2024	End Date: 04/03/2024

Sample ID: S1	Surface	Lab Sample ID: 2408500003-4
Test: USP <1116> Single Media Dual Incubation w/ no IDs		ISO Class: ISO-5
Condition of sample upon receipt: Media in good condition		Sample Size: 1 Plate
Positive Holes: NA		Alert Limit: NA
Plate Result: 0 CFU/Plate		Action Limit: 10
Final Result: No Growth	Media: TSA Contact Plate Lot: 123456789	Exp. 2024-04-30
Temperature: 30-35 C	Start Date: 03/26/2024	End Date: 03/28/2024
Temperature: 20-25 C	Start Date: 03/28/2024	End Date: 04/03/2024

Sample ID: S2	Surface	Lab Sample ID: 2408500003-5
Test: USP <1116> Single Media Dual Incubation w/ no IDs		ISO Class: ISO-7
Condition of sample upon receipt: Media in good condition		Sample Size: 1 Plate
Positive Holes: NA		Alert Limit: NA
Plate Result: 0 CFU/Plate		Action Limit: 30
Final Result: No Growth	Media: TSA Contact Plate Lot: 123456789	Exp. 2024-04-30
Temperature: 30-35 C	Start Date: 03/26/2024	End Date: 03/28/2024
Temperature: 20-25 C	Start Date: 03/28/2024	End Date: 04/03/2024

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Sample ID: Surface Control	Surface	Lab Sample ID: 2408500003-6
Test: USP <1116> Single Media Dual Incubation w/ no IDs		ISO Class: NA
Condition of sample upon receipt: Media in good condition		Sample Size: NA NA
Positive Holes: NA		Alert Limit: NA
Plate Result: 0 CFU/Plate		Action Limit: NA
Final Result: No Growth	Media: TSA Contact Plate Lot: 123456789	Exp. 2024-04-30
Temperature: 30-35 C	Start Date: 03/26/2024	End Date: 03/28/2024
Temperature: 20-25 C	Start Date: 03/28/2024	End Date: 04/03/2024

Sample

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Footnotes and Additional Report Information

1. Testing was performed in compliance with the method or standard indicated. Do not reproduce this report except in full without approval from the laboratory to ensure results are not taken out of context. Laboratory results relate only to the samples tested.
2. All information on this page has undergone quality control assessment including a comprehensive review of field data reported by sampling technician and microbiological lab data.
3. The results in this report are related to this project and these samples only.
4. Controls are unexposed media plates of the same lot submitted for confirmation of media lot sterility.
5. Positive hole correction factor is a statistical tool which calculates a probable count from the raw count, considering multiple particles can impact through the same hole of the active air impactor sampling head. For this reason, the raw count may be less than the corrected total.
6. Results are reported in CFU/m3 for active air samples. Conversion as appropriate may be required for facility specific criteria application.
7. Surface samples are reported per plate. Contact plates range in size from 25-28cm².
8. CFU results will populate under the incubation period and temperature range in which they were enumerated. If no CFU data is presented for an incubation regime, no CFUs were recovered from that incubation.
9. Client has two weeks to review and request additional testing; Samples are only retained for two weeks from report date and then discarded.
10. Spreading bacteria (swarming) do not form distinctive colonies on agar plates, instead the bacteria spread/swarm across the surface of the agar. This spreading can inhibit other microorganisms from growing or will grow over an existing CFU.
11. Fungal (mold, yeast, or fungal) colonies can form distinctive colonies, however those distinctive colonies can spread across the agar inhibiting other microorganisms from growing or will grow over an existing CFU.

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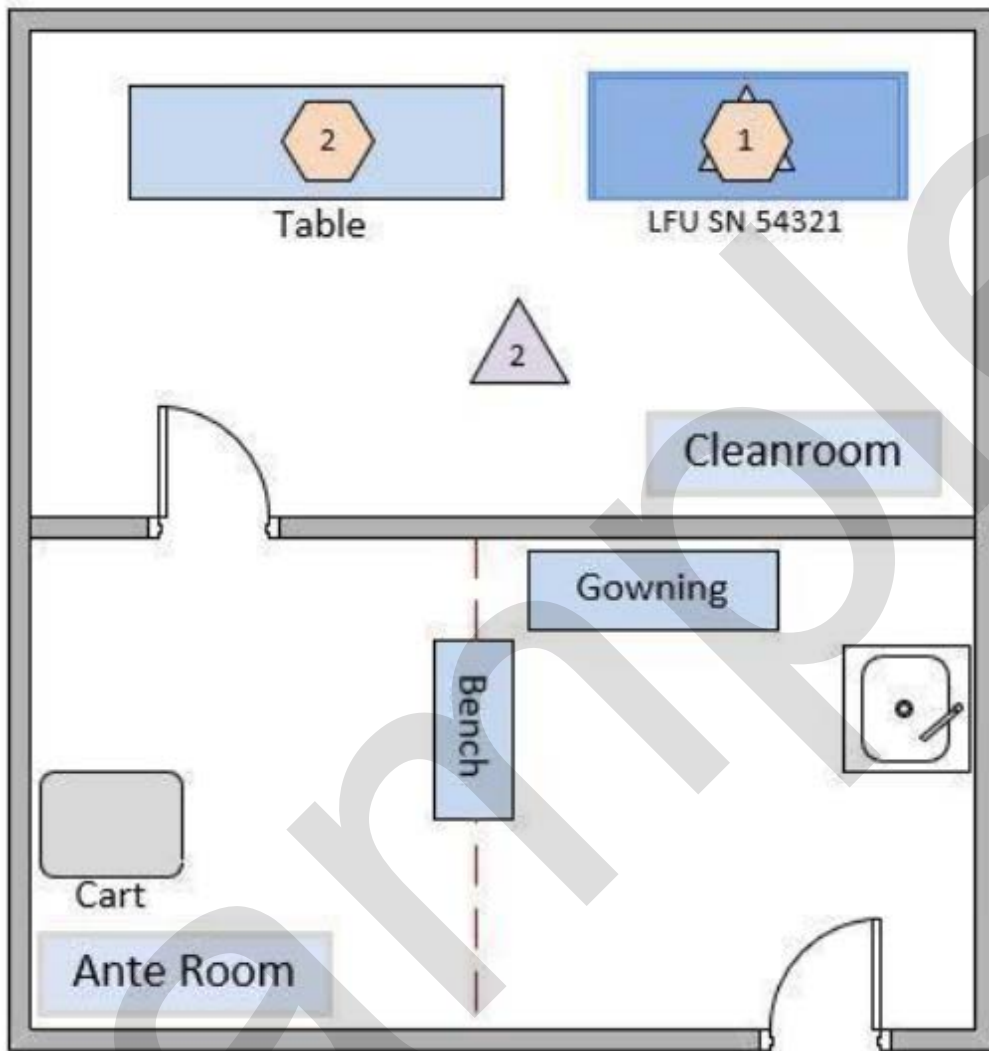
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Definitions	
BI	Biological Indicator
CFU	Colony Forming Unit
CG	Compressed Gas
CNC	Controlled Not Classified
FIO	For Information Only
MALDI-TOF	Matrix Assisted Laser Desorption Ionization-Time of Flight
MEA	Malt Extract Agar
OOC	Out of Compliance
R2A	Reasoner's 2A Agar
SCA	Segregated Compounding Area
SDA	Sabouraud Dextrose Agar
TNTC	Too Numerous To Count
TOC	Total Organic Carbon
TSA	Tryptic Soy Agar

Sample

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Legend

	Viable Air Location		Viable Surface Location		Dual Viable Sampling Location
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TSS

Note: Diagram is not to scale.