
DISINFECTION TESTING – PATH-AWAY ALL PURPOSE SOLUTION

FINAL REPORT

LABORATORY PROJECT ID # 18033113

Lab Report: Page 1-5

Attachment A: Virginia Aerobiology Laboratory-AIHA Certificate, Page 6-7

SPONSOR

Arthur V. Martin. President
Principal Research Scientist

Path-Away Anti-Pathogenic Solution
path-away.com

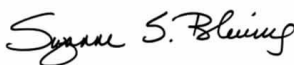
Global Infection Control Consultants LLC
USA
gicllc.com

SUBMITTED BY

AEROBIOLOGY LABORATORY
43760 Trade Center Place, Suite 100
Dulles, VA 20166
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www.aerobiology.net

Accreditations

1. Aerobiology Laboratory Associates Incorporated maintains accreditation with the American Industrial Hygiene Association Environmental Microbiology Laboratory Accreditation Program (EMLAP) in compliance with ISO 17025:2005.
2. Aerobiology Laboratory Associates Incorporated maintains accreditation and certification with local and state agencies where our laboratories are located.
3. Aerobiology's New Jersey location is under drug establishment registration site. Registration #079591134, Exp: 12/31/2018
4. Aerobiology Laboratory Associates Incorporated is certified by the state of Virginia as a Small, Woman and Minority (SWaM) business.
5. Aerobiology's New Jersey location has been approved by the New York Department of Health (ELAP) to analyze Legionella samples for POTABLE WATER and NON-POTABLE WATER.
6. Aerobiology Laboratory Associates Incorporated is a for-profit, privately held company, incorporated in the state of Virginia in 1997.
7. The results in this report are related to this project and these samples only



S. Blevins, B.S., SM (ASCP)
Laboratory Director

Test done: 8.30.18

Test reported: 08.31.18

Project # 18033113

3% & 5% Path-Away All Purpose Solution

Method: EPA DIS/TSS-10 METHOD (Modified)

Organism: E.coli ATCC 25922, Staphylococcus aureus ATCC 25963, Candida albicans ATCC 10312

Sample: Path-Away All Purpose Solution (3%)

Contact time: 0 min and 5min

Inoculum concentration: 1.5×10^6 cfu/ml

Amount of inoculum used: 0.1 ml

Incubator (dry time): 40 min @ 35°C

Volume sample used: 0.1 ml

Volume of TSB: 5 ml

Volume plated: 1ml and 0.1 ml

Incubation time: 24hrs @ 35°C

Procedure:

1. Prepared 10 ml of the inoculum (1.5×10^8 cfu/ml) of McFarland #1 from 24 hr stock culture. Prepared the inoculum of 1.5×10^6 cfu/ml from the stock solution.
2. Aseptically added 0.1 ml inoculum to the sterile 1 x 1-inch slide and spread evenly.
3. Let air dry in the incubator at 35° C for 40 min.
4. After air dry, added 0.1 ml of the 3% Path away all-purpose solution to the 1 inch square slides.
5. Let the slides for the contact time for 0 minutes and 5 minutes.
6. After each contact time, transferred the slides aseptically into sterile specimen cup and added 5 ml of the TSB (Tryptic Soy broth).
7. Agitated for 5 min on the shaker.
8. Sub cultured on to the plates at appropriate dilutions. Serial dilution performed on control sample.
9. The counts and dilution are recorded at 24hrs.

RESULT:

ORGANISM	SAMPLE	CONTACT TIME	
		0 MINUTES (cfu/ml)	5 MINUTES (cfu/ml)
E. coli ATCC 25922	Control without 3% Path-Away All Purpose Solution	7.2 x 10 ⁵	7.6 x 10 ⁵
		5.6 x 10 ⁵	6.6 x 10 ⁵
		4.3 x 10 ⁵	7.6 x 10 ⁵
	With 3% Path-Away All Purpose Solution	NG	NG
		NG	NG
		NG	NG
Staphylococcus aureus ATCC 25923	Control without 3% Path-Away All Purpose Solution	8.4 x 10 ⁵	7.6 x 10 ⁵
		6.6 x 10 ⁵	6.5 x 10 ⁵
		7.2 x 10 ⁵	5.8 x 10 ⁵
	With 3% Path-Away All Purpose Solution	NG	NG
		NG	NG
		NG	NG
Candida albicans ATCC 10231	Control without 3% Path-Away All Purpose Solution	1.5 x 10 ⁴	1.7 x 10 ⁴
		1.4 x 10 ⁴	1.8 x 10 ⁴
		1.9 x 10 ⁴	1.8 x 10 ⁴
	With 3% Path-Away All Purpose Solution	NG	NG
		NG	NG
		NG	NG

*NG: No Growth

Date read: 08.31.18

Analyst: Manju Pradeep

Test done: 09.05.18

Test reported: 09.06.18

Method: EPA DIS/TSS-10 METHOD (Modified)

Organism: E.coli ATCC 25922, Staphylococcus aureus ATCC 25923, Candida albicans ATCC 10231

Sample: Path-Away All Purpose Solution (5 %)

Contact time: 0 min and 5min

Inoculum concentration: 1.5×10^6 cfu/ml

Amount of inoculum used: 0.1 ml

Incubator (dry time): 40 min @ 35°C

Volume sample used: 0.1 ml

Volume of TSB: 5 ml

Volume plated: 1ml and 0.1 ml

Incubation time: 24hrs @ 35°C

Procedure:

1. Prepared 10 ml of the inoculum (1.5×10^8 cfu/ml) of McFarland #1 from 24 hr stock culture. Prepared the inoculum of 1.5×10^6 cfu/ml from the stock solution.
2. Aseptically added 0.1 ml inoculum to the sterile 1 x 1 inch slide and spread evenly.
3. Let air dry in the incubator at 35° C for 40 min.
4. After air dry, added 0.1 ml of the 5% Path away all-purpose solution to the 1 inch square slides.
5. Let the slides for the contact time for 0 minutes and 5 minutes.
6. After each contact time, transferred the slides aseptically into sterile specimen cup and added 5 ml of the TSB (Tryptic Soy broth).
7. Agitated for 5 min on the shaker.
8. Sub cultured on to the plates at appropriate dilutions. Serial dilutions were performed on control samples.
9. The counts and dilution are recorded at 24hrs.

RESULT:

ORGANISM	SAMPLE	CONTACT TIME	
		0 MINUTES (cfu/ml)	5 MINUTES (cfu/ml)
E. coli ATCC 25922	Control without 5% Path-Away All Purpose Solution	3.6 x 10 ⁵	4.8 x 10 ⁵
		4.0 x 10 ⁵	6.0 x 10 ⁵
		4.4 x 10 ⁵	4.0 x 10 ⁵
	With 5% Path-Away All Purpose Solution	NG	NG
		NG	NG
		NG	NG
Staphylococcus aureus ATCC 25923	Control without 5% Path-Away All Purpose Solution	6.4 x 10 ⁵	4.4 x 10 ⁵
		5.2 x 10 ⁵	6.0 x 10 ⁵
		4.8 x 10 ⁵	5.2 x 10 ⁵
	With 5% Path-Away All Purpose Solution	NG	NG
		NG	NG
		NG	NG
Candida albicans ATCC 10231	Control without 5% Path-Away All Purpose Solution	2.7 x 10 ⁴	2.0 x 10 ⁴
		2.0 x 10 ⁴	1.8 x 10 ⁴
		1.9 x 10 ⁴	1.5 x 10 ⁴
	With 5% Path-Away All Purpose Solution	NG	NG
		NG	NG
		NG	NG

*NG: No Growth

Date read: 09.06.18

Analyst: Manju Pradeep

ATTACHMENT A



AIHA
Laboratory Accreditation
Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Aerobiology Laboratory Associates, Inc.

43760 Trade Center Place, Suite 100, Dulles, VA 20166

Laboratory ID: 102977

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE
- ENVIRONMENTAL LEAD
- ENVIRONMENTAL MICROBIOLOGY
- FOOD
- UNIQUE SCOPES

- Accreditation Expires:
- Accreditation Expires:
- Accreditation Expires: December 01, 2018
- Accreditation Expires:
- Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

William Walsh

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Revision 15: 03/30/2016

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 11/30/2016