

Antimicrobial Test Laboratories

Fast, Reliable Antimicrobial Efficacy Testing

Microbiology Study Report

Page 1 of 2

© Antimicrobial Test Laboratories, LLC 2007

Client Information

Company Name:	<u>Advanced Vapor Technologies</u>	Sponsor:	<u>Rick Hoverson</u>
Sponsor's Phone:	<u>(800) 997-6584</u>	E-mail:	<u>rick@advap.com</u>

Test Information

Test(s) Performed:	<u>AVT Ultra Low Contact Time Experient on <i>E. coli</i> and Shigella</u>		
Study ID #:	<u>PT504</u>	SOP Followed:	<u>ATL SOP C-005</u>
		Performed by:	<u>B. Tanner</u>

Sample Information

Test Substance ID(s):	<u>SVS w/TANCS Technology</u>	Unit ID Number:	<u>55120401165</u>
-----------------------	-------------------------------	-----------------	--------------------

Parameters

Microorganism(s):	<u><i>E. coli</i> 11229, <i>Shigella Flexneri</i> 12022</u>	Type of Carrier:	<u>Unglazed Clay Coupon</u>
Subculture Number:	<u>1</u>	# of Test Carriers:	<u>(2) Org's, 5 carriers Each, 2 Reps.</u>
Growth Medium:	<u>Difco Nutrient Broth</u>	Carrier Dry Time:	<u>20 minutes (In Containment Hood)</u>
Contact Time:	<u>0, 0.5, 1, 2, and 5 seconds</u>	CFU per Carrier:	<u>See Table, Page 2</u>
Organic Soil Load:	<u>5% Horse Serum</u>	Incubation Temp.:	<u>35.0 (+/- 1) C</u>
Neutralizer Used:	<u>10 mL D/E Broth</u>	Incubation Time:	<u>24-48 hours</u>

Controls

Neutralized:	<u>N/A</u>	Growth Control:	<u>Passed</u>
Media Sterility:	<u>Passed, All Control Jars Neg</u>		

Test Results

# of Carriers Positive:	<u>See chart, Page 2</u>	Confirmation:	<u>Colony Morphology on TSA</u>
# of Carriers Negative:	<u>See chart, Page 2</u>	Test(s) Valid?:	<u>Yes</u>

Notes: For this test, *E. coli* 11229, *Shigella Flexneri* 12022 were tested in duplicate, with each test plated in duplicate.

These organisms were tested to help solidify the foundation for risk-reduction assessments.

Lab contact information amended 3/31/08.

Tests Completed: 10/21/2007

Report Sent: 10/22/07

3000 Joe DiMaggio Blvd.
Suite 32
Round Rock, Texas 78665

Phone: (512) 310-TEST
E-Mail: info@AntimicrobialTestLabs.com
Web site: <http://www.AntimicrobialTestLabs.com>

Antimicrobial Test Laboratories

Fast, Reliable Antimicrobial Efficacy Testing

Microbiology Study Report

Page 2 of 2

© Antimicrobial Test Laboratories, LLC 2007

Additional Study Information

Organism	CFU per Coupon				
	0 Seconds	0.5 Seconds	1 Second	2 Seconds	5 Seconds
<i>E. coli</i> Rep. #1	240,000	250	30	0	0
<i>E. coli</i> Rep. #2	280,000	180	10	0	0
<i>S. flexneri</i> Rep. #1	1,190,000	12,750	4,500	6,600	0
<i>S. flexneri</i> Rep. #2	1,085,000	15,900	7,450	850	0

Time-Kill Chart - SVS w/TANCS 10/22/07

