

Antimicrobial Test Laboratories

Fast, Reliable Antimicrobial Efficacy Testing

Microbiology Study Report

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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 LT Study #2 (Ultra-Low Contact Time Kill-Curve Generation for MRSA, VRE)</u>		
Study ID #:	<u>PT507</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>
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Parameters

Microorganism(s):	<u>MRSA 33591, VRE 51299</u>	Type of Carrier:	<u>Unglazed Clay Coupon</u>
Subculture Number:	<u>1</u>	# of Test Carriers:	<u>(4) Tests, 5 Carriers Each</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 - MRSA and VRE +</u>
Media Sterility:	<u>Passed, All Control Jars Neg</u>		

Test Results

# of Carriers Positive:	<u>See chart, Page 2</u>	Confirmation:	<u>MRSA - Blood Agar, VRE - BHI w/Van</u>
# of Carriers Negative:	<u>See chart, Page 2</u>	Test(s) Valid?:	<u>Yes</u>

Notes: For this test, methicillin-resistant *Staphylococcus aureus* and Vancomycin-resistant *Enterococcus faecalis* were tested in duplicate, with each test plated in duplicate.

Lab contact information amended 3/31/08.

Tests Completed:	<u>7/25 (MRSA) and 8/2 (VRE)</u>	Report Sent:	<u>8/3/07</u>
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Additional Study Information

Organism	CFU/Coupon				
	0 seconds	0.5 seconds	1 seconds	2 seconds	5 seconds
MRSA Rep #1	9,200,000	1,913,000	160,000	30,000	0
MRSA Rep #2	6,950,000	2,224,000	185,000	39,240	0
VRE Rep #1	51,000,000	3,820,000	340,000	61,000	0
VRE Rep #2	56,500,000	4,720,000	179,000	10,300	0

Time-Kill Chart - Steam Vapor System w/TANCS 8-3-07

