# Antimicrobial Test Laboratories Fast, Reliable Antimicrobial Efficacy Testing

#### **Microbiology Study Report**

Page 1 of 5

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Client Information			
Company Name:	Advanced Vapor Technologies	Sponsor:	Rick Hoverson
Sponsor's Phone:	(800) 997-6584	E-mail:	rick@advap.com
Test Information	N.T.176: 1 // /O lp v 7 1 1	6	/TANKS II II II O I BI II I
Test(s) Performed:	AVT LT Study #4 (Qualitative Technolog	•	···
Study ID #:	PT508	SOP Followed:	Custom Study - See Notes
		Performed by:	B. Tanner and A. Branch
Sample Information			
Test Substance ID(s):	SVS w/TANCS Technology	Unit or Lot Number:	55120401165
	Clorox Germicidal Bleach		A8717011 5813-CA3
	Lysol I.C. Quaternary Disinfectant		MA 6223A 09019-OH001
	Waxie "Swish" Phenolic Disinfectant		A6355 0708 251-20 R2 GA
Parameters			_
Microorganism(s):	A. niger , C. albicans , P. aeruginosa , S		
Contact Time:	Approx 10 Seconds w/Wiping	Incubation Temp.:	35.0 (+/- 1) C
Dilutions (If Applicable):	Clorox = 6 oz/gal; Lysol = 1:256	Diluent:	Pleasanton Municipal Tap Water
Organic Soil Type	H.I. Horse Serum, 5%	Agars Used:	D/E, Letheen + NaThio, Potato Dextrose
Controls			
Neutralized:	Yes (Visual Obs. Of Growth)	Negative Control:	Agar Sterility Passed
		J	
Test Results			
See Photos, Below:	See chart, Page 2	Confirmation:	N/A
<b>Notes:</b> This study	was designed to demonstrate visually the	differences in efficacy	that have been established by
	eam Vapor System w/TANCS and tradition	·	
	I.C. Quaternary Disinfectant and Waxie "		-
	lorite, quaternary ammonium, and pheno		<u> </u>
		<u>'</u>	ed in "real-life," including 2 mL application
	towel (which was not analyzed) for all the		
	granite were used. Just after treatment tile	•	
Lab contact information a			<u> </u>
Tests Completed:	9/5/2007	Report Sent:	9/10/07

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

Phone: (512) 310-TEST
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Web site: http://www.AntimicrobialTestLabs.com

### Fast, Reliable Antimicrobial Efficacy Testing

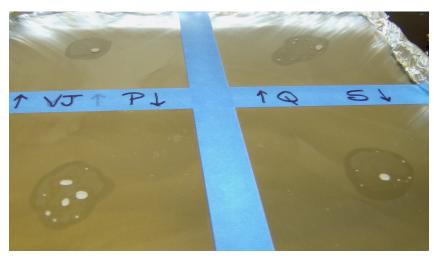
#### **Microbiology Study Report**

Page 2 of 5

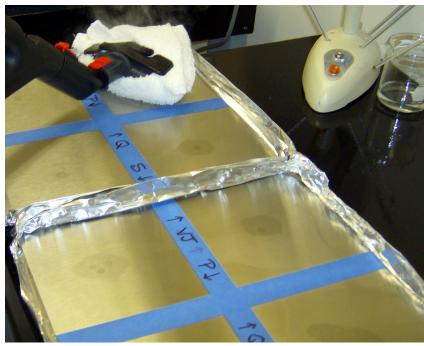
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#### **Additional Study Information**

Stainless steel tile just after swab application of mixed culture



Application of steam vapor to surface (10 seconds)



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Page 3 of 5

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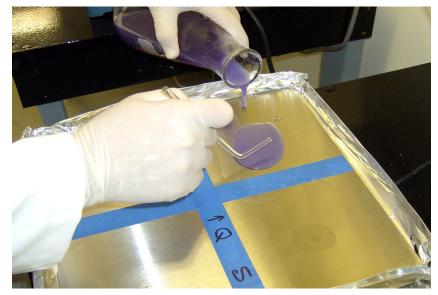
#### **Additional Study Information**

Wiping phenol-based disinfectant over surface after spray application using shield

10 seconds + appl. time



Carefully spreading agar over a quadrant after treatment with a technology



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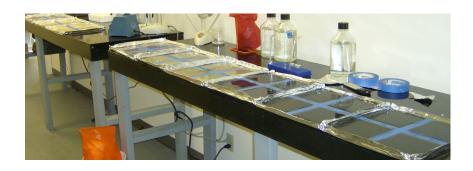
#### **Microbiology Study Report**

Page 4 of 5

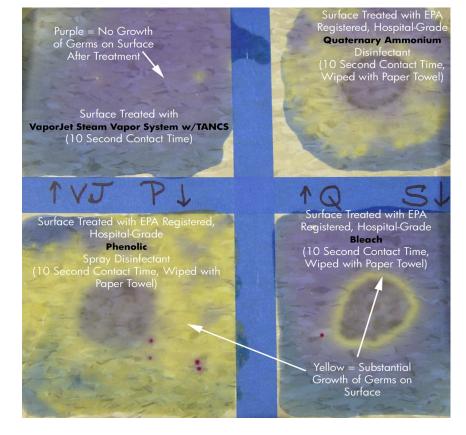
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#### **Additional Study Information**

Overview of the experiment - three surfaces, four technologies, three neutralizing agars



Annotated photo showing drastic reduction in microbial load by steam vapor and showing viable microorganism growth after treatment with competing technologies



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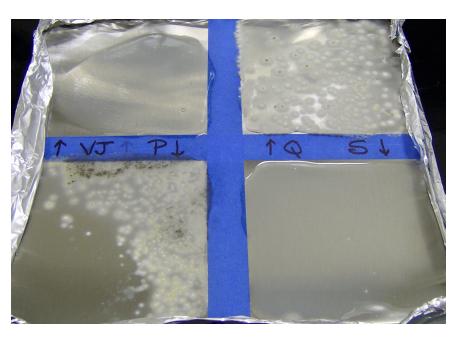
#### **Microbiology Study Report**

Page 5 of 5

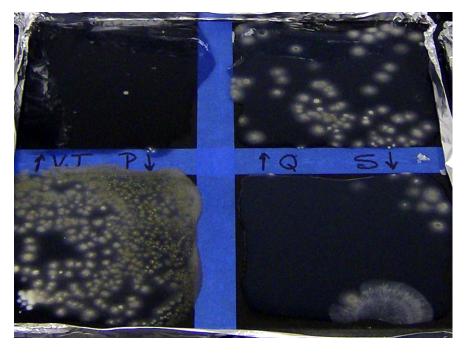
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#### **Additional Study Information**

Stainless steel tile showing the growth of *A. niger* fungi that have survived various chemical treatments (10 second contact times)



Polished granite tile showing the growth of *A. niger* fungi that have survived various chemical treatments (10 second contact times)



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