

Penta900 - The Best Solution!

It doesn't just remove mold, — test labs report Penta900 is 100% effective.*

Penta900 is human, animal and environmentally friendly and it complies with IICRC S520 standards. In many cases, with only one application, making it the fastest working, and as consistently reported in laboratory tests: repeatedly the most cost effective mold solution on the market.



Anti Bacterial Test #2

Colonies of Escherichia coli and Staphylococcus aureus were exposed to Penta-900 for 5, 15, 30 and 45 minutes, and then incubated for 48 hours at 25°C. There was a 100% reduction in colony count for the 5 minute treatment in the case of Escherichia coli, and for the 45 minute treatment in the case of Staphylococcus aureus.

* See full laboratory test results for complete details – Available at: www.Penta900.com

Analytical Laboratory Report

Bulk Sample	Antifungal Product Testing	18952-R01 *
Bulk Sample	Antifungal Product Testing	18952-R02 *
Bulk Sample	Antifungal Product Testing	18952-R03 *
Bulk Sample	Antifungal Product Testing	18952-R04 *
Bulk Sample	Antibacterial Product Testing	18952-R05 *
Bulk Sample	Antibacterial Product Testing	18952-R06

PARTIAL REPORT

Project/PO: **(Antifungal/Antibacterial Product Testing)**

Control ID # **18952**

Received: **10-07-2008**

January 16, 2009

Sean P. Abbott, Ph.D.

Analytical Director, Natural Link MOLD LAB, Inc.

AIHA (EMPAT) Laboratory Identification: 162969

Texas Department of State Health Services, Mold Analysis Laboratory License Number: LAB0146



Report submitted to:

Penta-900, Inc.
3208 W. Desert Inn Road
Las Vegas, NV. 89102
(702) 310-5437

* These reports not included under this cover.

Analytical Laboratory Report
Bacterial Susceptibility Testing
Bulk sample

Account Name:	Penta-900, Inc.	Control ID#:	18952
Project/P.O.:	Product Testing, Penta-900	Date Received:	10-07-2008
Submitter:	Brent Jones	Date Reported:	01-16-2009

Purpose:

To test the efficacy of an antibacterial product (Penta-900) to inhibit the growth of bacteria. The organisms selected for this trial were *Escherichia coli* and a Methicillin-resistant strain of *Staphylococcus aureus* (MRSA) that were grown up from stock cultures and grown on Tryptic Soy Agar (TSA).

Bacterial Susceptibility/Product Testing Protocol:

1. Prepare Bacterial suspensions.
 - 1.1. Swab surface of bacterial colonies from stock cultures with a sterile swab and vortex in 1.00 mL sterile deionized water for each organism being challenged. This master suspension will be used to prepare the primary suspensions.
 - 1.2. Prepare 15 mL sterile centrifuge tube with 4.90 mL sterile deionized water for each organism.
 - 1.3. Prepare 15 mL sterile centrifuge tube with 4.90 mL Penta-900 for each organism.
 - 1.4. Add 0.10 mL from one of the master suspensions to the previously prepared sterile deionized water (control) and a Penta-900 (challenge) centrifuge tubes. This will bring the total volume to 5.00 mL. Do the same with the other master suspension. These are the primary suspensions and will be used in the serial dilutions to follow.
2. Prepare dilution series and incubate.
 - 2.1. Prepare serial dilutions and plate out on Tryptic Soy Agar (TSA) plates to appropriate levels at 5, 15, 30 and 45 minutes after preparing the primary suspensions.
 - 2.2. Plate out 1.00 mL sterile deionized water and 1.00 mL Penta-900 into separate Tryptic Soy Agar (TSA) plates. This is a control to ensure the sterility of the sterile deionized water as well as the Penta-900 being used in the trials.
 - 2.3. Incubate plates for 48 hours at 25° C.
3. Count colonies and report.
 - 3.1. Visually and microscopically confirm bacterial colonies recovered are the challenge organisms.
 - 3.2. Count colonies on appropriate dilution plates and calculate CFU's/mL. Report counts and percent reduction in CFU/mL from the Penta-900 (challenge) versus the sterile deionized water (control).

Report#: 18952-R06 Analysis Date: 01-16-2009
Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director

Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

Results:

Sample Identification: *Escherichia coli*; TSA plate

<u><i>Escherichia coli</i></u>	<u>CFU/mL</u>	<u>Percent Reduction</u>
Control	5 600 000	
Penta-900 5 minutes	< 10	100
Penta-900 15 minutes	< 10	100
Penta-900 30 minutes	< 10	100
Penta-900 45 minutes	< 10	100

Sample Identification: *Staphylococcus aureus*; TSA plate

<u><i>Staphylococcus aureus</i></u>	<u>CFU/mL</u>	<u>Percent Reduction</u>
Control	170 000 000	
Penta-900 5 minutes	84 000	99.9
Penta-900 15 minutes	35 000	99.9
Penta-900 30 minutes	380	99.9
Penta-900 45 minutes	< 10	100

Summary of Findings:

- *E. coli* treated with Penta-900 were unable to grow on Tryptic Soy Agar (TSA) at 5, 15, 30 and 45 minutes of exposure.
- *S. aureus* treated with Penta-900 were able to grow on Tryptic Soy Agar (TSA) at 5, 15 and 30 minutes of exposure.
- *S. aureus* treated with Penta-900 were unable to grow on Tryptic Soy Agar (TSA) at 45 minutes of exposure.
- Bacteria not treated (control) with Penta-900 exhibited extensive bacterial growth on Tryptic Soy Agar (TSA).
- Sterility Test: No growth was detected on the uninoculated sterile deionized water. No growth was detected on the uninoculated Penta-900.

Report#: 18952-R06 Analysis Date: 01-16-2009
Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

Chain-of-Custody Form

Natural Link MOLD LAB
 4900 Mill Street
 Reno, NV 89502

Account name ELANE, LLC
 Sampling date _____
 Project / P.O. _____

Submitter JOHN MARLOW
 Phone 702 318-1542
 (866) 252-6653
 (866) 252-MOLD
 Phone (775) 356-6653
 Fax (775) 356-6639
 info@naturallinkmoldlab.com

Sample identification, description, and/or location	Sample volume	Analysis *				Alternative / additional analysis requested:	RUSH				
		FME	NFME	PC	BC		EC	24hr	48hr		
<u>PENTA-900 Box +</u>				<u>X</u>							
						<u>ACTO FUNGAL PRODUCT TESTING</u>					

(*) FME, Fungal Microscopic Examination -- NFME, Non-Fungal Microscopic Exam -- PC, Fungal Culture -- BC, Bacterial Culture -- EC, E. coli (coliforms) ID

Submitter's Signature [Signature] Date 10/17/08
 Receiver's Signature [Signature] Date 10/17/08
 Submitter's Signature _____ Date _____
 Receiver's Signature _____ Date _____

Lab use: Round 2 will be 1/2 dilution of Penta-900 stock solution @ 1 and 3 hrs of exposure - DS 10/27/8
 Control #: 18952