

# BioScreen® Testing Services, Inc.

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## MICROBIOLOGICAL REPORT

R&R Lotion, Inc.  
Attn: Richard Rich  
15547 N. 77<sup>th</sup> Street  
Scottsdale, AZ 85260

**Report Date:** 01/28/00  
**Date Received:** 01/20/00  
**Date Completed:** 01/27/00  
**Project #:** 124822  
**P.O. #:** 15079  
**Reference #:** 699-073

### SAMPLE DESCRIPTION:

<u>ACCESSION #</u>	<u>SAMPLE:</u>	<u>LOT #</u>	<u>BATCH #</u>
124822	Anti-bacterial Hand Cleaner	623	001
124823	Anti-bacterial Hand Lotion	624	0001

### TEST PERFORMED:

Log Reduction

### BTS METHOD #:

M213.R1

### RESULTS:

*Escherichia coli*

ATCC 11229

Acc No. 124822

EXPOSURE TIME	CONCENTRATION OF ORGANISM (CFU/mL)		% REDUCTION		LOG REDUCTION	
	CONTROL	PRODUCT	CONTROL	PRODUCT	CONTROL	PRODUCT
Initial	3.6 x 10 <sup>5</sup>	3.6 x 10 <sup>5</sup>	---	---	---	---
30 sec	3.5 x 10 <sup>5</sup>	1.8 x 10 <sup>4</sup>	2.8%	95.0 %	0.0	1.3
01 min	3.3 x 10 <sup>5</sup>	1.4 x 10 <sup>4</sup>	8.3%	96.1 %	0.0	1.4
05 min	3.0 x 10 <sup>5</sup>	1.6 x 10 <sup>2</sup>	16.7%	100.0 %	0.1	3.4

*Escherichia coli*

ATCC 11229

Acc No. 124823

EXPOSURE TIME	CONCENTRATION OF ORGANISM (CFU/mL)		% REDUCTION		LOG REDUCTION	
	CONTROL	PRODUCT	CONTROL	PRODUCT	CONTROL	PRODUCT
Initial	3.6 x 10 <sup>5</sup>	3.6 x 10 <sup>5</sup>	---	---	---	---
30 sec	3.5 x 10 <sup>5</sup>	1.9 x 10 <sup>5</sup>	2.8%	47.2 %	0.0	0.3
01 min	3.3 x 10 <sup>5</sup>	1.4 x 10 <sup>5</sup>	8.3%	61.1 %	0.0	0.4
05 min	3.0 x 10 <sup>5</sup>	1.1 x 10 <sup>5</sup>	16.7%	69.4 %	0.1	0.5

Microbiology • Analytical Chemistry • Toxicology • Clinical

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**RESULTS (cont'd):**

*Pseudomonas aeruginosa*

ATCC 9027

Acc No. 124822

EXPOSURE TIME	CONCENTRATION OF ORGANISM (CFU/mL)		% REDUCTION		LOG REDUCTION	
	CONTROL	PRODUCT	CONTROL	PRODUCT	CONTROL	PRODUCT
Initial	2.9 x 10 <sup>5</sup>	2.9 x 10 <sup>5</sup>	---	---	---	---
30 sec	2.8 x 10 <sup>5</sup>	3.8 x 10 <sup>2</sup>	3.4%	99.9 %	0.0	2.9
01 min	2.5 x 10 <sup>5</sup>	9.0 x 10 <sup>1</sup>	13.8%	100.0 %	0.1	3.5
05 min	2.1 x 10 <sup>5</sup>	5.0 x 10 <sup>1</sup>	27.6%	100.0 %	0.1	3.8

*Pseudomonas aeruginosa*

ATCC 9027

Acc No. 124823

EXPOSURE TIME	CONCENTRATION OF ORGANISM (CFU/mL)		% REDUCTION		LOG REDUCTION	
	CONTROL	PRODUCT	CONTROL	PRODUCT	CONTROL	PRODUCT
Initial	2.9 x 10 <sup>5</sup>	2.9 x 10 <sup>5</sup>	---	---	---	---
30 sec	2.8 x 10 <sup>5</sup>	8.0 x 10 <sup>4</sup>	3.4%	72.4 %	0.0	0.6
01 min	2.5 x 10 <sup>5</sup>	5.0 x 10 <sup>4</sup>	13.8%	82.8 %	0.1	0.8
05 min	2.1 x 10 <sup>5</sup>	4.0 x 10 <sup>4</sup>	27.6%	86.2 %	0.1	0.9

*Staphylococcus aureus*

ATCC 6538

Acc No. 124822

EXPOSURE TIME	CONCENTRATION OF ORGANISM (CFU/mL)		% REDUCTION		LOG REDUCTION	
	CONTROL	PRODUCT	CONTROL	PRODUCT	CONTROL	PRODUCT
Initial	3.8 x 10 <sup>5</sup>	3.8 x 10 <sup>5</sup>	---	---	---	---
30 sec	2.9 x 10 <sup>5</sup>	1.0 x 10 <sup>3</sup>	23.7%	99.7 %	0.1	2.6
01 min	2.5 x 10 <sup>5</sup>	<10	34.2%	100.0 %	0.2	5.0
05 min	2.1 x 10 <sup>5</sup>	<10	44.7%	100.0 %	0.3	5.0

*Staphylococcus aureus*

ATCC 6538

Acc No. 124823

EXPOSURE TIME	CONCENTRATION OF ORGANISM (CFU/mL)		% REDUCTION		LOG REDUCTION	
	CONTROL	PRODUCT	CONTROL	PRODUCT	CONTROL	PRODUCT
Initial	3.8 x 10 <sup>5</sup>	3.8 x 10 <sup>5</sup>	---	---	---	---
30 sec	2.9 x 10 <sup>5</sup>	1.6 x 10 <sup>5</sup>	23.7%	57.9 %	0.1	0.4
01 min	2.5 x 10 <sup>5</sup>	1.4 x 10 <sup>5</sup>	34.2%	63.2 %	0.2	0.4
05 min	2.1 x 10 <sup>5</sup>	1.3 x 10 <sup>5</sup>	44.7%	65.8 %	0.3	0.5

**RESULTS (cont'd):**

*Klebsiella pneumonia*

ATCC 10031

Acc No. 124822

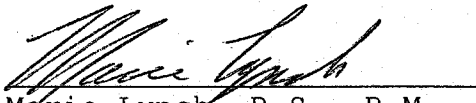
EXPOSURE TIME	CONCENTRATION OF ORGANISM (CFU/mL)		% REDUCTION		LOG REDUCTION	
	CONTROL	PRODUCT	CONTROL	PRODUCT	CONTROL	PRODUCT
Initial	$2.3 \times 10^5$	$2.3 \times 10^5$	---	---	---	---
30 sec	$2.0 \times 10^5$	$2.0 \times 10^4$	13.0%	91.3 %	0.1	1.1
01 min	$2.0 \times 10^5$	$1.1 \times 10^2$	13.0%	100.0 %	0.1	3.3
05 min	$1.8 \times 10^5$	<10	21.7%	100.0 %	0.1	5.0

*Klebsiella pneumonia*

ATCC 10031

Acc No. 124823

EXPOSURE TIME	CONCENTRATION OF ORGANISM (CFU/mL)		% REDUCTION		LOG REDUCTION	
	CONTROL	PRODUCT	CONTROL	PRODUCT	CONTROL	PRODUCT
Initial	$2.3 \times 10^5$	$2.3 \times 10^5$	---	---	---	---
30 sec	$2.0 \times 10^5$	$1.7 \times 10^5$	13.0%	26.1 %	0.1	0.1
01 min	$2.0 \times 10^5$	$1.2 \times 10^5$	13.0%	47.8 %	0.1	0.3
05 min	$1.8 \times 10^5$	$7.0 \times 10^4$	21.7%	69.6 %	0.1	0.5



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