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## ANTIMICROBIAL EFFICACY / TIME-KILL ANALYSIS REPORT

Product Description: Original Healing Salve Laboratory Reference No.: 1052737

Microorganisms	Inoculum / g	Colony Forming Units (Viable Microbes) Recovered from Each Gram of Product								
		30 sec	1 min	2 min	5 min	10 min	30 min	1 hr	2 hrs	4 hrs
Staph. aureus (ATCC 6538)	$1.1 \times 10^6$	NR	NR	450,000	123,000	45,100	11,400	2,800	640	< 10
Methicillin Res. S. aureus (ATCC43300)	$1.0 \times 10^6$	NR	NR	498,000	161,000	56,200	14,300	3,100	320	< 10
Streptococcus pyogenes (ATCC 19615)	$1.1 \times 10^6$	NR	NR	509,000	243,000	82,000	9,650	1,540	<10	< 10
Escherichia coli (ATCC 8739)	$1.1 \times 10^6$	NR	NR	611,000	274,000	116,000	18,950	7,150	1,100	< 10
Salmonella typhimurium (ATCC 14028)	$1.0 \times 10^6$	NR	NR	493,000	107,000	53,400	9,700	2,600	510	< 10
Enterobacter Cloacae (ATCC 13047)	$1.0 \times 10^6$	NR	NR	335,000	76,000	38,900	7,620	1,900	<10	< 10
Klebsilla Pneumoniae (ATCC 13883)	$1.05 \times 10^6$	NR	NR	526,000	219,000	66,100	17,400	4,100	7,40	< 10
Pseudomonas aeruginosa (ATCC 9027)	$1.0 \times 10^6$	NR	NR	414,000	126,000	97,000	20,100	5,200	890	< 10
Burkholderia cepacia (ATCC 25416)	$1.1 \times 10^6$	NR	NR	349,000	87,000	38,200	8,630	2,210	<10	< 10
Candida albicans (ATCC 10231)	$1.0 \times 10^5$	NR	NR	74,000	41,000	29,100	10,400	4,300	690	< 10
Vegetative A. niger (ATCC 16404)	$1.05 \times 10^5$	NR	NR	61,300	35,400	19,800	8,250	2,320	<10	< 10

(ATCC = American Type Culture Collection; < 10 is the statistical expression of no microbial recovery for the plate count test method).(NR= No Reduction from the initial count)

**CONCLUSION:** 99.99 percent of the inoculated microorganisms were killed within 4 hours of coming in contact with the product.

Approved By: \_\_\_\_\_  
Laboratory Director