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ANTIMICROBIAL EFFICACY / TIME-KILL ANALYSIS REPORT

Product Description: Original Healing Salve Laboratory Reference No.: 4244077

Microorganisms	Inoculum / g	Colony Forming Units (Viable Microbes) Recovered from Each Gram of Product								
		1 min	2 min	5 min	10 min	30 min	1 hr	2 hrs	4 hrs	8 hrs
Staph. aureus (ATCC 6538)	1.0×10^6	126,000	43,000	14,700	4500	1300	520	180	< 10	< 10
Methicillin Res. S. aureus (ATCC43300)	1.2×10^6	97,000	29,000	10,500	2300	780	160	< 10	< 10	< 10
Streptococcus pyogenes (ATCC 19615)	1.1×10^6	61,000	18,000	12,200	3800	150	< 10	< 10	< 10	< 10
Escherichia coli (ATCC 8739)	1.0×10^6	84,000	37,000	17,600	5100	830	370	90	< 10	< 10
Salmonella typhimurium (ATCC 14028)	1.1×10^6	52,000	12,000	8,400	1050	< 10	< 10	< 10	< 10	< 10
Enterobacter Cloacae (ATCC 13047)	1.0×10^6	47,000	14,000	7,600	960	< 10	< 10	< 10	< 10	< 10
Klebsilla Pneumoniae (ATCC 13883)	1.0×10^6	56,000	26,000	11,300	3150	80	< 10	< 10	< 10	< 10
Pseudomonas aeruginosa (ATCC 9027)	1.1×10^6	72,000	38,000	16,900	3220	910	430	150	< 10	< 10
Burkholderia cepacia (ATCC 25416)	1.0×10^6	39,000	29,000	12,100	1280	170	< 10	< 10	< 10	< 10
Candida albicans (ATCC 10231)	1.1×10^5	31,000	8,500	4,200	2480	1240	310	120	< 10	< 10
Vegetative A. niger (ATCC 16404)	1.2×10^5	28,000	6,800	3,500	1560	860	180	< 10	< 10	< 10

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

CONCLUSION: 99.9 percent of the inoculated microorganisms were killed within 4 hours of coming in contact with the product.

Approved By: _____

Laboratory Director