

# INDEPENDENT SILVER STUDY

THE ANTIMICROBIAL ACTIVITY OF SELECTED SILVER PRODUCTS

Dr. Dennis Harper and Dr. Robert Rowen

Advanced Cellular Silver (ACS) 200 Extra Strength was found to be approximately 4,000 to 1,000,000 times more powerful in antimicrobial activity than pH Structured Silver, Argentyn 23, OXYSILVER and American Biotech Labs ASAP Silver.

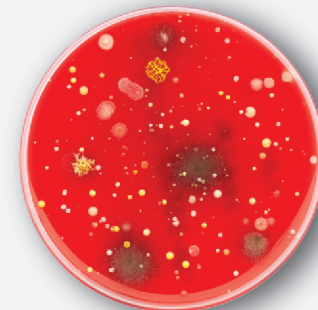
**PREFACE:** Dr. Dennis Harper and Dr. Robert Rowen recognized the value of conducting an independent and unbiased study that would definitively assess the antimicrobial efficacy of several well-recognized silver products.

**PURPOSE:** The core purpose of every silver-based health product is to kill pathogenic microorganisms. In this initial study conducted at a major university laboratory, the kill rates of five silver-based products on a common and feared microorganism, MRSA; were determined.

**RESULTS:** There was a highly significant difference between the five formulations, in their ability to kill MRSA in 2 minutes.

## COMPETING SILVER PRODUCTS ACHIEVE MINIMAL KILL

When dealing with billions of microorganisms, a mere 99% kill leaves millions of organisms left alive. . . . alive to replicate quickly within the infected host.



## ACS 200 EXTRA STRENGTH ACHIEVES COMPLETE KILL

ACS 200 Extra Strength achieves complete >99.9999% kill on all microorganisms tested.



## 99.9999% KILL IS 1,000,000 TIMES MORE EFFECTIVE THAN 58.3% KILL

Independent Lab Results - 2014

Product	Contact Time	Log Reduction (LR)	Percent Kill (PK)
ACS 200 Extra Strength	2 min	6.35	99.999955%*
pH Structured Silver	2 min	2.74	99.82%
Argentyn 23	2 min	~0.28	~47.1%
OXYSILVER	2 min	~0.38	~58.3%
ASAP	2 min	~0.22	~39.7%