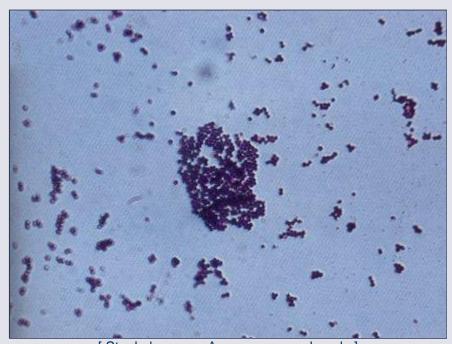
<u>Laboratory Studies Conducted by The University Of North Texas</u> <u>Product: SilverKare at 15 PPM and 30 PPM</u> Isolated Colloidal Silver

Time-Kill Study Conducted by UNT Mark A. Farinha, Ph.D.
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Microbes tested: Staphylococcus epidermidis, Staphylococcus aureus and Enterococcus faecalis



[Staphylococcus Aureues, example only]

Results: Reduction of population counts from >10 million to undetectable in four minutes of exposure

Microbes Tested: Salmonella typhimurium and Pseudomonas aeruginosa



[Example of Pseudomonas aeruginosa]

Results: Reduction of population counts from >10 million to undetectable in four minutes of exposure

Microbe Tested: Candida albicans



[Example of Candida albicans]

Results: Reduction of population counts from >1 billion to undetectable in two minutes.

Details of the Study

Staphyloccus aureus ATCC12600

Two concentrations of isolated silver were used, one 15 PPM isolated colloidal silver and one 30 PPM isolated colloidal silver. The 30 PPM colloidal silver achieved results markedly faster, although both formulations achieved the desired results within four minutes:

(Time in minutes ---->)

	0	2	4	6	8	10	15
S. aureus 30 PPM	17,000	0.006	0	0	0	0	0
S. aureus 15 PPM	8,000	68	50	10	1	0.12	0.055

The in-vitro lab results conclusively demonstrate that a high quality isolated colloidal silver product is remarkably effective in concentrations of both 15 PPM and 30 PPM against Staph Aureus. A greater concentration demonstrated faster action, however, the results in the first four minutes dropped population counts to nearly non-existant levels with both formulations.

Pseudomonas aeruginosa PAO

Two concentrations of isolated silver were used, one 15 PPM isolated colloidal silver and one 30 PPM isolated colloidal silver. The 30 PPM colloidal silver achieved results markedly faster, although both formulations achieved the desired results within four minutes:

(Time in minutes ---->)

	0	2	4	6	8	10	15
P. aerugisona 30 PPM	13,000	0.005	0	0	0	0	0
P. aerugisona 15 PPM	2,100	25	14	1.8	0.005	0	0

The in-vitro lab results conclusively demonstrate that a high quality isolated colloidal silver product is remarkably effective in concentrations of both 15 PPM and 30 PPM against Psuedomonas aeruginosa. A greater concentration demonstrated faster action, however, the results in the first four minutes dropped population counts to nearly non-existant levels with both formulations.

Salmonella typhimurium

Two concentrations of isolated silver were used, one 15 PPM isolated colloidal silver and one 30 PPM isolated colloidal silver. The 30 PPM colloidal silver achieved results markedly faster, although both formulations achieved the desired results within four minutes:

(Time in minutes ---->)

	0	2	4	6	8	10	15
S. typhimurium 30 PPM	13,000	0.003	0	0	0	0	0
S. typhimurium 15 PPM	10,000	0.6	0.068	0.005	0	0	0

The in-vitro lab results conclusively demonstrate that a high quality isolated colloidal silver product is remarkably effective in concentrations of both 15 PPM and 30 PPM against Salmonella typhimurium. A greater concentration demonstrated faster action, although the results in the first four minutes dropped population counts to nearly non-existant levels with both formulations.

Candida albicans

One 30 PPM isolated colloidal silver was used in this study.

(Time in minutes ---->)

	0	2	4	6	8	10	15
C. albicans 30 PPM	320	0.0005	0	0	0	0	0

The in-vitro lab results conclusively demonstrate that a high quality isolated colloidal silver product is remarkably effective in a concentration 30 PPM (likely 15 PPM as well) against Candida albicans. The results in the first two minutes dropped population counts to nearly non-existant levels.

Enterococcus faecalis ATCC19433

Two concentrations of isolated silver were used, one 15 PPM isolated colloidal silver and one 30 PPM isolated colloidal silver. The 30 PPM colloidal silver achieved results markedly faster, although both formulations achieved the desired results within four minutes:

(Time in minutes ---->)

	0	2	4	6	8	10	15
E. faecalis 30 PPM	410	0.00022	0	0	0	0	0
E. faecalis 15 PPM	7,600	94	57	10	5.3	0.5	0.04

The in-vitro lab results conclusively demonstrate that a high quality isolated colloidal silver product is remarkably effective in concentrations of both 15 PPM and 30 PPM against Salmonella typhimurium. A greater concentration demonstrated faster action, although the results in the first four minutes dropped population counts to nearly non-existant levels with both formulations.