Bed Bugs

**Study:** To determine the efficacy of different concentrations of SilverClear sprayed directly on fabric to kill bed bugs.

**Date:** March 2011

**Performed by:** BioMedco

**Results:** At 100% concentration, SilverClear killed 100% of 33 adult bed bugs within 1 minute. At 100%, 10%, 6.7% and 5% concentration, SilverClear killed 100% of 42 bed bugs within 3 minutes. At 3.3% concentration, SilverClear killed 90% of 42 bed bugs within 3 minutes. At 100% concentration, SilverClear killed 100% of 54 adult bed bug eggs within 1 minute.

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**Study:** To determine the efficacy of SilverClear Mattress Encasements for preventing penetration by bed bugs.

**Date:** August 2011

**Performed by:** ICR Inc

**Results:** The SilverClear mattress encasements were completely effective in preventing penetration by adult and first instar bed bugs.

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**Study:** The efficacy of textiles treated with SilverClear to kill bed bugs.

**Date:** May 2008

**Performed by:** Laboratoire T.E.C. (Techniques Environment Consultants)

**Results:** The two fabrics treated with 50% and 100% concentration of SilverClear gave a complete kill of the bed bugs exposed.

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For more information please contact TLG Inc. at 1-866-991-9932
Dust Mites

**Study:** The efficacy of 100% cotton textiles treated with SilverClear to kill dust mites.

**Date:** May 2006

**Performed by:** Microbiology Lab - French Institute of Textiles for Clothing "Health and Hygiene Textiles"

**Results:** The 100% cotton textile treated with SilverClear gave a complete kill of the dust mites exposed over 42 days.

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Mold

**Study:** The efficacy of SilverClear to eliminate mold (aspergillus niger) that is present (living) on fabric.

**Date:** May 2006

**Performed by:** Laboratoires d’analyses S.M. Inc

**Results:** After 24 hour exposure to SilverClear, the mold count on the infected fabric was at 0. SilverClear eliminated all of the aspergillus niger from the fabric within 24 hours.

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Clostridium difficile (C. difficile)

**Study:** The efficacy of SilverClear treated fabrics to eliminate spores of Clostridium difficile.

**Date:** October 2007

**Performed by:** BioMedco

**Results:** Study showed that the fabrics pre-treated with SilverClear killed all spores of Clostridium difficile used for experimental contamination within 1 hour of contact time.

For more information please contact TLG Inc. at 1-866-991-9932
Escherichia coli (E. coli)

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Escherichia coli.

**Date:** April 2006

**Performed by:** Laboratoires d’analyses S.M. Inc.

**Results:** The textile treated with SilverClear effectively killed 99.99% of the Escherichia coli bacteria that it came in contact with. In addition, 99.99% of the bacteria that surrounded the samples within a 2mm radius were killed as well.

Listeria

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Listeria

**Date:** March 2006

**Performed by:** Laboratoires d’analyses S.M. Inc.

**Results:** The textile treated with SilverClear effectively killed 99.99% of the Listeria bacteria that it came in contact with. In addition, 99.99% of the bacteria that surrounded the samples within a 7mm radius were killed as well.

Salmonella

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Salmonella.

**Date:** March 2006

**Performed by:** Laboratoires d’analyses S.M. Inc.

**Results:** The textile treated with SilverClear effectively killed 99.99% of the Salmonella bacteria that it came in contact with. In addition, 99.99% of the bacteria that surrounded the samples within a 2mm radius were killed as well.

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Avian influenza A (H3N2)

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Avian influenza A (H3N2).

**Date:** April 2006

**Performed by:** ATS Labs

**Results:** The textile treated with SilverClear effectively killed 99.99% of the Avian influenza A Virus that it came in contact in 1 hour of exposure time at room temperature.

Candida albicans

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Candida albicans.

**Date:** November 2006

**Performed by:** Laboratoires d’analyses S.M. Inc

**Results:** The textile treated with SilverClear effectively killed 100% of the Candida albican spores that it came in contact with in 1 minute of exposure time. After 24 hours of exposure, the fungus was still dead and unable to reproduce.

Bacillus cereus

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Bacillus cereus.

**Date:** April 2006

**Performed by:** Laboratoires d’analyses S.M. Inc

**Results:** The textile treated with SilverClear effectively killed 99.99% of the Bacillus cereus bacteria that it came in contact with. In addition, 99.99% of the bacteria that surrounded the samples within a 2mm radius were killed as well.

For more information please contact TLG Inc. at 1-866-991-9932
Staphylococcus aureus (MRSA)

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Staphylococcus aureus (MRSA). This particular bacterium has a resistance to antibiotics.

**Date:** August 2008/April 2009

**Performed by:** Bio Med Co

**Results:** The textile treated with SilverClear effectively killed 99.99% of the Staphylococcus aureus (MRSA) bacteria that it came in contact with in 1 hour of exposure time. The kill rate was maintained for 72 hours. In addition 99.99% of the bacteria that surrounded the samples within a 5.4mm radius were killed.

Pseudomonas aeruginosa

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Pseudomonas aeruginosa.

**Date:** November 2007/April 2009

**Performed by:** Bio Med Co

**Results:** The textile treated with SilverClear effectively killed 99.8% of the Pseudomonas aeruginosa bacteria that it came in contact with in 1 hour of exposure time. The kill rate was maintained for 72 hours. In addition 99.99% of the bacteria that surrounded the samples within a 4.5mm radius were killed.

Corynebacterium diphtheria

**Study:** The efficacy of textiles treated with 100% concentration of SilverClear when directly exposed to Corynebacterium diphtheria. In addition 99.99% of the bacteria that surrounded the samples within a 14mm radius were killed as well.

**Date:** November 2007/April 2009

**Performed by:** Laboratoires d’analyses S.M. Inc

**Results:** The textile treated with SilverClear effectively killed 99.99% of the Corynebacterium diphtheria bacteria that it came in contact with in 1 hour of exposure time.