

Genie™ Copper Mesh

First Ever Copper Infused Mesh Back Chair

via seating introduces the First Ever Copper Infused Mesh Back Chair suitable for Clinical Areas (Patent-Pending).

By partnering with Cupron and utilizing their copper based proprietary and patented technology, **via seating** has developed a unique copper infused mesh. It's available on our Genie™ task, stool, conference room chairs, Genie™'s guest chair (Splash) and our Vista II mesh chair and stool. Cupron technology works by physically imbedding an EPA-registered copper into the fibers of our **via seating** copper mesh. Through this process, the copper will not wear off like topically applied alternatives. The result is a self-sanitizing, copper-infused mesh that has strong biocidal, antifungal, and antiviral properties. There are additional anti-odor properties to the copper mesh as well.

There have been multiple studies showing the effectiveness of copper in real world clinical areas in hospitals. One of the largest was conducted over a 25 month period at Sentara Leigh Hospital, which is affiliated with the University of Virginia. The objective was to determine the effectiveness of copper-impregnated composite linens and hard surfaces in acute care hospital settings to reduce Health care-associated infections (HAI's). See below quotes:

"finding that these products have actually made a difference is an incredible advancement."

Gene Burke, MD

VP & Executive Medical Director, Clinical Effectiveness, Sentara Healthcare

"It is clear to me that there is a positive ROI."

Robert Broermann,

Chief Financial Officer, Sentara Healthcare

"We owe it to our patients to try new approaches and this clinical trial indicates that copper-infused products are an effective addition to a robust infection prevention program."

Gene Burke, M.D.,

VP & Executive Medical Director, Clinical Effectiveness, Sentara Healthcare

"We are relentless in the pursuit of improved clinical outcomes and an exceptional patient experience and these copper products are helping us achieve both of those goals."

Howard P. Kern,

President and CEO of Sentara Healthcare

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Several Studies conducted by hospitals include these two that were published in the following journals:

Sentara Healthcare Study

Published in the American Journal of Infection control
[http://www.ajicjournal.org/article/S0196-6553\(16\)30696-4/abstract](http://www.ajicjournal.org/article/S0196-6553(16)30696-4/abstract)

Reuth Medical Center Clinical Trial

Published in the International Journal of Infectious Diseases
[http://www.ijidonline.com/article/S1201-9712\(14\)00059-9/abstract](http://www.ijidonline.com/article/S1201-9712(14)00059-9/abstract)

Herzog Medical Center Study

As presented at the Infectious Disease Conference
[http://www.ijidonline.com/article/S1201-9712\(14\)00059-9/abstract](http://www.ijidonline.com/article/S1201-9712(14)00059-9/abstract)

Conclusions drawn from these studies are as follows:

The use of biocidal copper oxide impregnated textiles in a long-term care ward may significantly reduce HAI, fever, antibiotic consumption, and related treatment costs.

Testing Genie Copper Mesh

The testing was performed against 3 different microorganisms (Staphylococcus aureus – a gram positive bacteria; Klebsiella pneumoniae – a gram negative bacteria and Candida albicans – a yeast) per AATCC-100 on the following materials:

1. Genie™ Copper Mesh
2. Krypton
3. Silvertex
4. Silica
5. Regular Mesh - Black swatches without antimicrobial additive

Over a two hour contact time, Cupron reduced the three bacteria by 99.9%. Silvertex had comparable results. The results show **Genie™ Copper Mesh** outperformed the other materials tested. This proves that the addition of copper delivers significant reduction in antimicrobial activity. Therefore, **Genie™ Copper Mesh** back is a better solution than other mesh or upholstered back options.

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