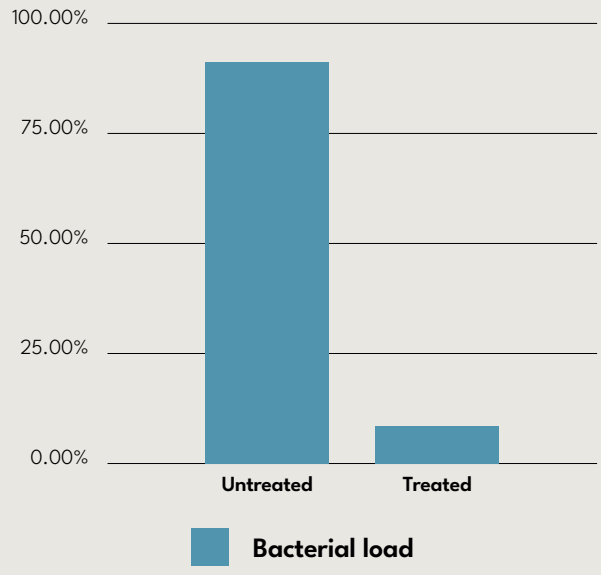
SILVER
ANTIMICROBIAL
THE POLYGIENE BIOMASTER SOLUTION

A pilot study at a large National Health Service Trust examined the bacterial contamination found on products in a clinical setting containing silver-ion technology.

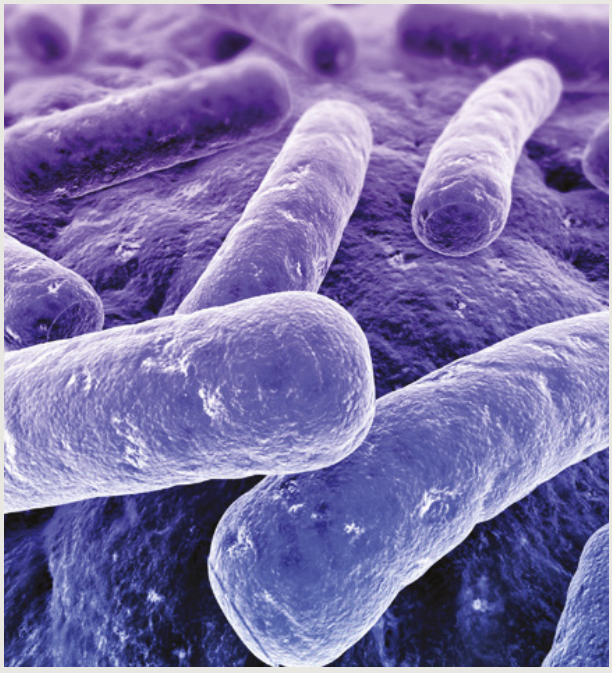
The study compared two clinical settings, one with no antimicrobial in high touch point areas and the other using products treated with silver-ion technology in high touch point areas.



Treated products exhibited a 95.8%* reduction in bacterial contamination. The outcome is a reduction in the risk of bacterial load, therefore reducing the risk of contamination.

Compared to a ward with no antimicrobial products in place, the ward containing silver-treated products exhibited an overall positive effect of reducing bacteria levels by 43.5%* in the environment, thus significantly reducing the risk of cross-contamination.

The untreated ward contained all standard items typically seen in a ward; the silver-protected ward had the same items but with the silver technology applied to the coating on the surfaces or directly into the substrate itself.



POLYGIENE® PRODUCT PROTECTION

POLYGIENE® FOR MINDFUL LIVING

Polygiene BioMaster™ additives can be found in many hospital and care home products, including bed frames, curtains, hand soap dispensers, hand sanitizer dispensers, sinks, taps, and medical case note holders.

These products incorporate silver-based technologies which, when challenged by the presence of bacteria on a surface, release silver ions that inhibit the cell's ability to reproduce.

The silver ions enter the cell through its outer layer, block the enzymes, preventing the cell from generating energy, and disrupt its DNA, thereby removing its ability to split and create a duplicate of itself.

A clinical swab of surfaces within the silver-treated clinical area revealed a reduction of 92.6% in bacterial load. The evidence demonstrates the effect of silver ions in the reduction of bacterial load in clinical settings. A clean environment benefits both patients and staff in areas where good hygiene levels are crucial for clean, safe care.

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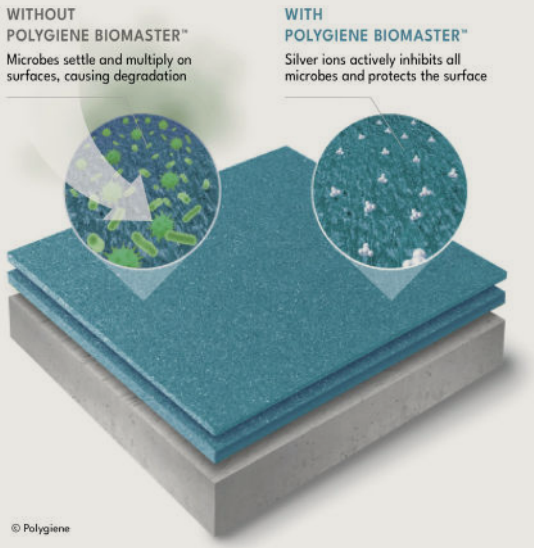
* Source JIP Reduction of bacterial contamination in a healthcare environment by silver antimicrobial technology - September 2008

How does Polygiene BioMaster work?



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