PHYSICAL SCIENCES INC.

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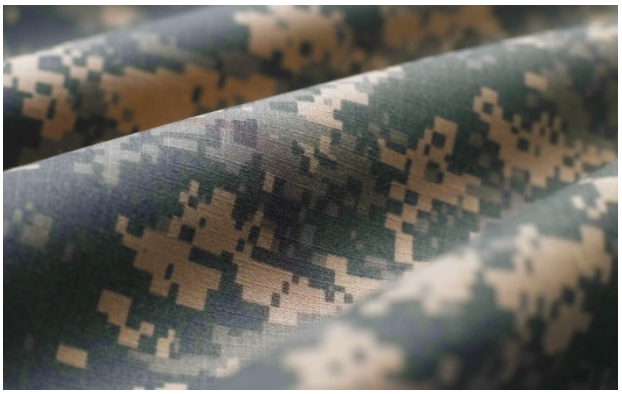
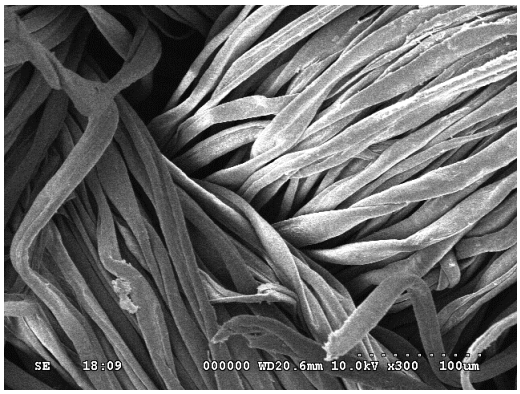
Novel Antimicrobial Chemical Surface Treatment Technology for Fabrics





PSI-QAC technology provides high anti-microbial efficacy against a broad range of gram positive and gram negative bacteria, as well as fungi. Fabrics treated with the unique dendrimer chemistry are highly biocompatible and meet or exceed the performance of silver based treatments for first cycle use and exceed their performance after laundering. The long lasting antimicrobial efficacy has been proven for multiple textiles. Learn more about how this environmentally sustainable low cost antimicrobial technology can expand your textile sales into military, fitness and performance apparel markets.

Pathogen	Type	Associated Infections	AM Efficacy (max.)
S. Aureus	Bacteria, Gram Positive	Skin infections (abscesses), respiratory infections (sinusitis), food poisoning.	>99.999%
K. Pneumoniae	Bacteria, Gram Negative	Lungs (pneumonia), urinary tract, biliary tract and surgical wound infections.	>99.99%
S. Epidermisis	Bacteria, Gram Positive	Patients with compromised immune systems. Biofilms on catheters or other surgical implants.	>99.99%
E. Coli	Bacteria, Gram Negative	Food poisoning, gastroenteritis, urinary tract infections and neonatal meningitis.	>99.99%
C. Albicans	Fungus	Opportunistic oral and genital infections ,candidal onychomycosis,(infection of the nail plate).	>99.99%

- High efficacy, broad AM spectrum.
- Amenable to render multiple fabrics with AM properties including Cotton, NYCO, polyester.
- Rapid and long lasting effects.
- Biocompatible with no cytotoxicity or skin irritation.
- Exceeds silver based anti-microbial textile performance including DryLite and Zensah fabrics.
- Treatment cost of less than $1/100 yards.

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