PurThread Antimicrobial Apparel Technology Now Available Online for Medical Scrubs and Lab Coats

PR Newswire

PurThread Technologies [1], an award-winning [2] developer of antimicrobial textile technology, is proud to announce the launch of its new online store [3]. The store offers scrubs and lab coats integrated with a proprietary antimicrobial agent that protects fabrics from the damaging effects of microbial contamination. PurThread is a leading force in researching the impact of antimicrobial fabrics on the healthcare environment. In fact, PurThread's hospital privacy curtains are the only brand of hospital curtain that has been tested in a double-blinded randomized controlled trial [4] (RCT) to assess its effectiveness at reducing bio burden in a clinical setting.

The study, conducted by the University of Iowa Carver College of Medicine [5], found that the PurThread privacy curtains tested took seven times longer to become contaminated than control curtains. The PurThread curtains were also eight times less likely [6] to be contaminated with VRE. PurThread is investing in research like this to assess its products' potential in clinical settings. The EPA has not yet reviewed any public health claims for PurThread products. Over time, the PurThread line of medical textiles will expand to include other linens.

"After years of research and testing on our exclusive textile technology, we are thrilled to finally announce the launch of our online store," said PurThread VP of Infection Control Applications, Bill O'Neill. "It provides healthcare professionals, such as nurses, doctors and administrators, with a convenient online marketplace to purchase apparel featuring our long-lasting antimicrobial agent that protects fabrics from the effects of microbial contamination."

PurThread's textile technology integrates an antimicrobial agent that produces a chemical species known as hydroxyl radicals into every fiber of the product. This provides an even distribution of the active ingredient while still keeping the fabric soft and pliable. These hydroxyl radicals attack microorganisms along several parallel pathways - simultaneously degrading the cell's protective bio film, rupturing the cellular membrane and disrupting the biological processes within the cell, thereby killing the organism. Because the agent bonds with the fabric in its raw state, the agent's efficacy can withstand the rigor of repeated laundering.

Links:

[1] http://purthread.com/?utm_source=WebMaxPlus+&utm_medium=Press+Release&utm_campaign=Online+Store+PT
[2] http://purthread.com/purthread-wins-2013-american-technology-award/?utm_source=WebMaxPlus+&utm_medium=Press+Release&utm_campaign=Online+Store+PT
[3] http://store.purthread.com/?utm_source=WebMaxPlus+&utm_medium=Press+Release&utm_campaign=Online+Store+PT
[4] http://www.jstor.org/discover/10.1086/668022?uid=3739560&uid=2&uid=4&uid=3739256&sid=21101232482031
[5] http://www.medicine.uiowa.edu/
[6] http://purthread.com/study-finds-purthread-hospital-privacy-curtains-resist-superbug-vre-contamination-8-times-better-than-control-curtains/