New Study Shows Zylast Antiseptic Products Kill More than 99.99% of E. Coli, Other Bacteria, on Contact

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TARRYTOWN, N.Y., Dec. 7, 2012 /PRNewswire/ -- Innovative BioDefense Inc, the creators of the Zylast® line of antimicrobial products, announced today that a new round of extensive time-kill testing on the Zylast products showed that more than 99.99 percent of disease-causing germs were destroyed within 15 seconds, making Zylast the most effective antimicrobial on the market. The Zylast products, including an alcohol-based antiseptic, a water-based antiseptic lotion, and a foaming hand soap, were tested against a range of 25 different bacteria.

The list of bacteria tested is standard, and was developed to ensure a broad, representative spectrum of organisms was evaluated. Among the bacteria tested were *E. Coli*, a leading cause of food poisoning, *S. Pneumoniae,* a primary source of pneumonia and meningitis, and *Acinetobacter baumannii*, a drug-resistant bacteria that causes many fatal hospital infections and is prevalent in soldiers wounded in Iraq and Afghanistan.

Two of the most prevalent and dangerous of these drug-resistant bacteria are Methicillin-Resistant S. aureus (MRSA) and Vancomycin-Resistant Enterococci (VRE). Testing was performed with the Zylast Antiseptic against both of these deadly bacteria. Not only did the Antiseptic destroy more than 99.99% of these bacteria on contact, it was still killing more than 90% of both VRE and MRSA one hour after it was applied.

All Zylast products have been shown to be persistent for six hours, and now have demonstrated rapid, broad-spectrum kill as well. In-vitro testing on skin substitutes has shown that all Zylast products are still killing at or above 97% of disease-causing bacteria at 1 hour, and remaining above 90% at 4 hours after application.

When the Zylast Antiseptic was tested, it was shown to be more than 100 times more effective against Norovirus than alcohol alone (Liu et al, BioScience Results).
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