

TAT-5000 Temporal Artery Thermometer with Silver Ion Antimicrobial Head

What is it?

A Silver Bullet in the War Against Microbes:



- The new TAT-5000 Temporal Artery Thermometer is the only thermometer with the added protection of an antimicrobial head that destroys harmful bacteria, mold, mildew and fungi on contact, reduces levels of Methicillin-Resistant Staphylococcus aureus (MRSA) and Vancomycin-Resistant Enterococcus faecalis (VRE) by over 20% in 10 minutes, and to undetectable levels in 6 hours (see charts) becoming the only thermometer capable of self-disinfecting between shifts.
- The sensor head that touches the patient is manufactured from a material fully impregnated with silver ions that are released through a unique and controlled ion exchange process. Silver ions at the surface that come in contact with bacteria and other microbes disrupt the electron transfer and respiration within the cells.

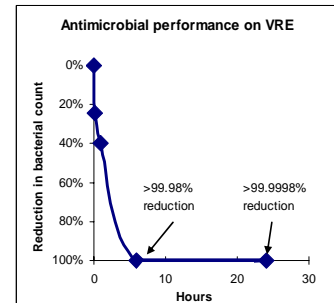
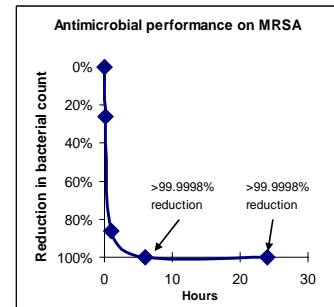
How It Works

Effective Against Microbes – Laboratory tests demonstrate the controlled release of silver ions from the sensor head provides continuous antimicrobial protection for more than five years. The antimicrobial compound works proactively against a broad spectrum of bacteria, fungi and other microbes. In laboratory studies, this has been proven to reduce bacteria on the treated product by as much as 99.999%, or 5-log reduction.

Kills even the most resistant bacteria strains - Laboratory tests show that Methicillin-Resistant Staphylococcus aureus (MRSA) and Vancomycin-Resistant Enterococcus faecalis (VRE) are reduced by over 20% in ten minutes, and to undetectable levels in 6 hours (see charts).

Antimicrobial Resistance - Unlike 'organic' based antimicrobial agents commonly found in antibacterial soaps, Silver has not been shown to contribute to the creation of super bugs, as has the overuse of antibiotics and other antibacterial agents.

Why silver? Silver has been used in medicine since 4000 BC, is a well established broad-spectrum antibiotic with no known association with drug resistance, and is completely safe for human use. Studies have demonstrated the acute toxicity of the antimicrobial compound used to be less toxic than ordinary table salt.



Does this eliminate disposable covers?

It provides several options while assuring against cross-contamination:

- Commonly used in many hospitals to clean the thermometer between patients are alcohol wipes, but any hospital-approved disinfectant, including bleach, can be safely used on the entire thermometer.
- Disposable covers are available for all levels of cross-contamination protection, are still very cost effective, and include responsible caps and full instrument sheaths/gloves.

Is this FDA cleared?

Yes - The material has been cleared by the FDA. The material also has EPA Food Contact Registration, NSF Standard 51, and USDA Listing.

More questions?

Please call Exergen at 617-923-9900 or 800-422-3006 or visit us at www.exergen.com.