



3/F, Hopewell Logistics Centre,  
2-12 Wing Kei Road,  
Kwai Chung, N.T., Hong Kong.  
Tel: (852) 2549 3322  
Fax: (852) 2858 6789  
Email: hopewell@netvigator.com




WEBSITE



APP



  
**OMEGA®**  
**GERMGUARD™**  
PROTECT IN EVERY MOMENT

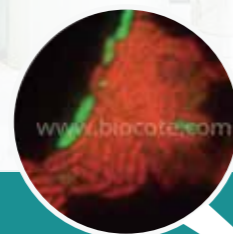
## GERMGUARD™ by OMEGA®

A smart choice towards a hygienic environment.  
A safe and effective way to protect against cross contamination.

GERMGUARD™, developed in partnership with BioCote, protects your environment from harmful bacteria and fungi by utilizing the proven antimicrobial properties of silver ions. By incorporating BioCote's unique antimicrobial technology, GERMGUARD™ has the ability of reducing up to 99.5% of microbes on its surface within 2 hours.



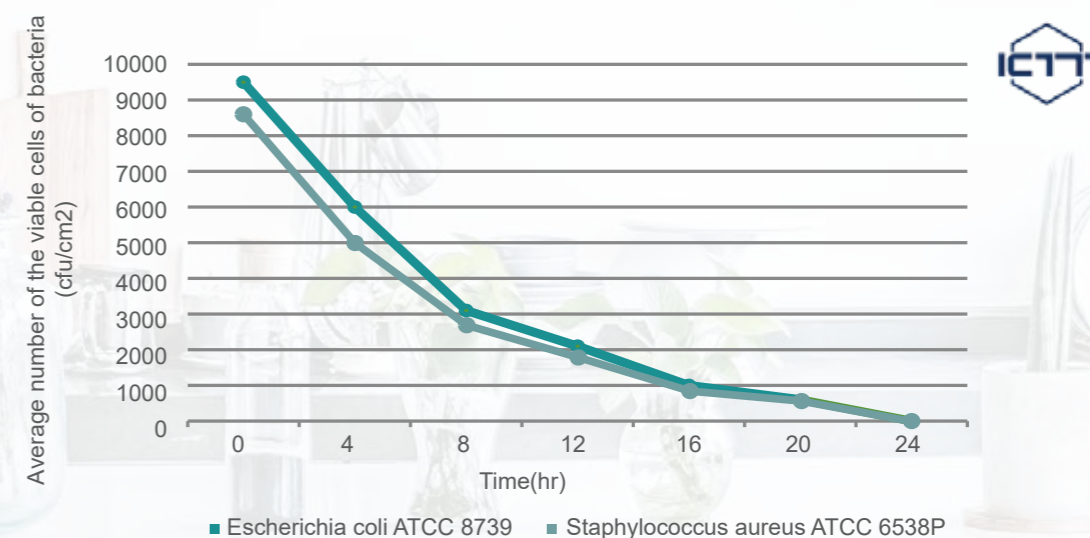
Untreated surface



BioCote®



GERMGUARD™ has been verified against JIS Z 2801:2010, ASTM G21-15, and ISO 22196:2011 to be effective against a broad spectrum of microbes.



## MODES OF ACTION

Silver ion is an oxidizing agent that is widely recognized for its antimicrobial properties and is often used in daily life for disinfection and sterilization. With the incorporation of BioCote's unique antimicrobial silver ion technology, GERMGUARD™ is able to provide a more hygienic surface by preventing the growth of a wide range of microbes through various modes of action.

- The positively charged silver ions are attracted to the negatively charged bacterial cell wall and disrupt the stability of this structural layer
- Silver ions inhibit DNA replication and prevent cell growth.
- Silver ions interfere with certain proteins that perform essential functions within the bacterial cell.



GERMGUARD™ Laminates are manufactured in accordance to rigorous quality control to meet or exceed the requirements of EN438, the internationally recognized European Standard for high pressure laminates.

**BENEFITS OF USING GERM GUARD FOR HYGIENE CONSCIOUS ENVIRONMENTS INCLUDE:**

- Decreasing the number of microbes on the surface over time, thus reducing the likelihood of cross-contamination
- Minimizing the presence of unpleasant odor by lessening microbial presence and activity
- Reducing the deleterious effects caused by microbial and their byproducts
- Providing non-stop 24-hours protection against harmful microbes



GERMGUARD™ has been proven against a crowd of microbes, and it can help to fight against contamination to provide a hygienic condition in all environments.



**Technical Data**

PROPERTY	BACTERIA	TEST METHOD
Reduction of Bacteria and Fungi	<i>Methicillin resistant Staphylococcus aureus</i>	JIS Z 2081:2010
	<i>Esherichia coli</i>	JIS Z 2081:2010
	<i>Enterococcus faecalis</i>	JIS Z 2081:2010
	<i>Klebsiella pneumoniae</i>	JIS Z 2081:2010
	<i>Salmonella aertrycke</i>	JIS Z 2081:2010
	<i>Staphylococcus aureus</i>	JIS Z 2081:2010
	<i>Aspergillus niger</i>	ASTM G21-15
	<i>Chaetomium globosum</i>	ASTM G21-15
	<i>Trichoderma virens</i>	ASTM G21-15
	<i>Penicillium funiculosum</i>	ASTM G21-15
	<i>Aureobasidium pullulans</i>	ASTM G21-15

According to JIS Z 2801:2010 Test Standards





# APPLICATIONS

- Healthcare Facilities
- Residential Projects
- Commerical Buildings
- Nurseries and Daycare Center
- Primary and Secondary Schools
- Universites
- Recreation Centers
- Public Transport
- Bars and Resturants
- Laboratories

