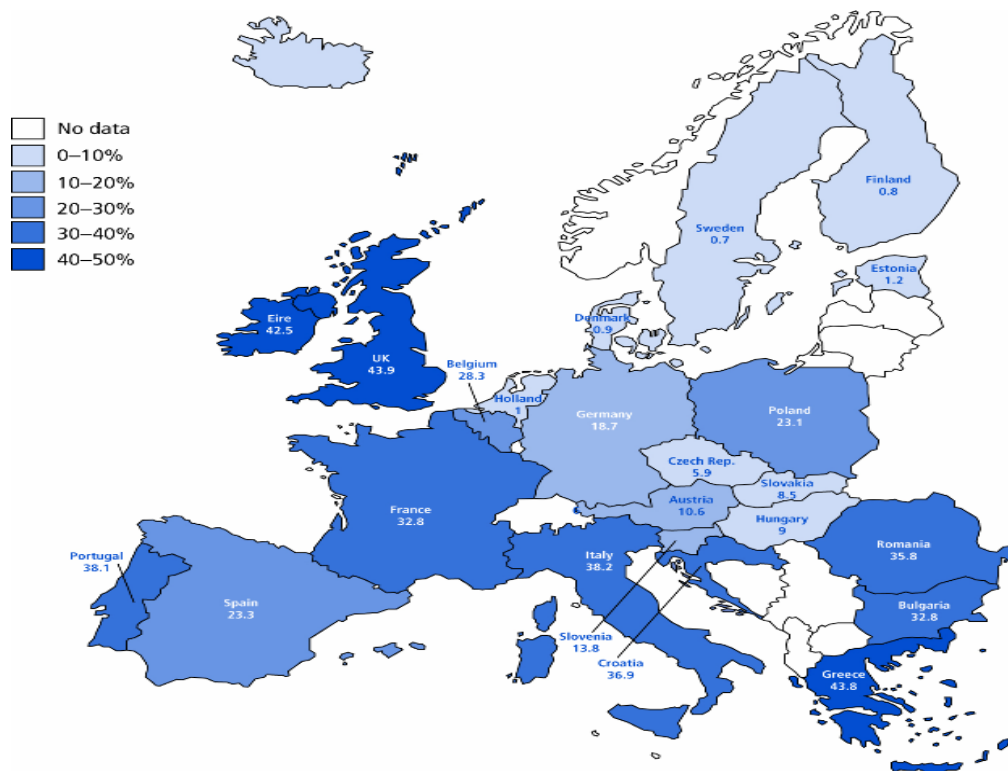




Manufacturers can partner with the market leaders in anti-microbial technology, BioCote. BioCote provide unique anti-microbial solutions for a wide range of products and applications.

Manufactures products can be available with added anti-microbial protection unique in the marketplace.

Infection control is becoming increasingly important within healthcare environments with the target being the prevention of healthcare associated infections (HAI). The level of awareness in the general public has increased mainly due to the media and government highlighting the issues and statistics of HAI's.



Map shows Levels of bloodstream infections across Europe

A lot of work has been carried out to highlight the issues related to healthcare infections and in particular MRSA. Solving the problem is now a key issue, particularly for infection control teams. Education on standard infection control procedures such as hand washing and proper cleaning is a major area for concentration. In addition to hygiene we should also look at all available technology to assist reducing potential cross-contamination.

BioCote® is an exciting development in providing continuous antimicrobial properties to products and equipment used in the healthcare environment. These products inhibit the growth of a **wide range** of micro-organisms such as Staphylococcus aureus, Pseudomonas aeruginosa and E-coli.

A major benefit of using BioCote is its ability to inhibit the growth of bacteria between cleans. When a surface is cleaned the number of bacteria on the surface is reduced. However before the surface is next cleaned it can be recontaminated resulting in bacteria levels increasing. A BioCote treated surface will keep the number of bacteria to a minimal between cleans. BioCote offers the healthcare industry a second line of defence against healthcare acquired infections.

BioCote Limited provides total hygienic solutions based around its silver technology providing antimicrobial powder coating, plastics and fabrics. BioCote partners with companies providing products into the Healthcare sector. Products are targeted in areas where hygiene is important or desirable and antimicrobial products can be used effectively in addition to the current infection control procedures.

BioCote develops key partnerships with leading healthcare companies providing products where microbial cross-contamination can be of issue in hospitals and which can be the source of cross-infection. BioCote microbiologists work in conjunction with infection control teams to identify the highest risk areas within the hospital environment and look to find solutions to those key products. Products protected with BioCote include nurse call systems, doors and door handles, cubicle curtains, bath lifts and waste bins to name a few.





Examples of some BioCote protected products.

It is important, of course, that the BioCote® products are utilised as an addition to the current cleaning and infection control procedures such as:

- Regular hand washing, especially when in contact with patients
- Regular cleaning of equipment and environments
- Use of protecting equipment such as gloves/masks etc.

BioCote® products still require cleaning and should not be considered either as a replacement or alternative to good hygiene practices. However, they do provide the optimum level of due diligence currently available against the proliferation of disease-causing bacteria in a wide range of areas where there is potential for growth.

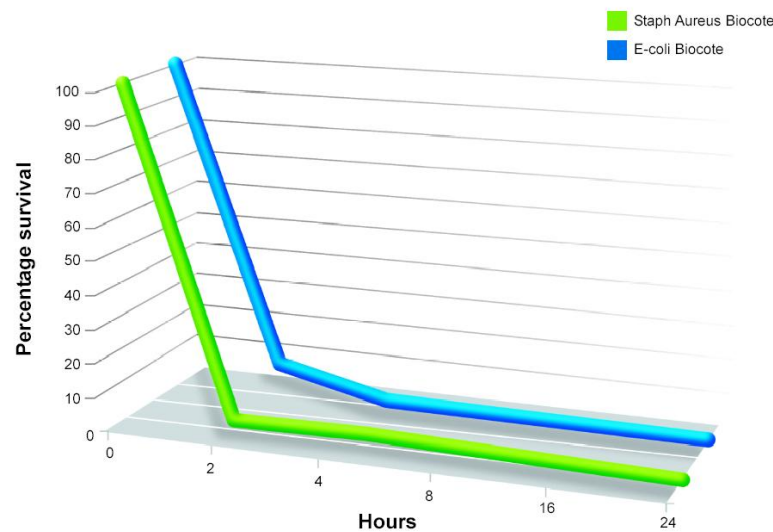
How BioCote works

The active ingredient in BioCote is the element silver in the form of silver ions. Silver is a natural antimicrobial, which has been used for many centuries for its abilities to aid in preservation, especially in water systems. Silver is also currently used in the healthcare sector in silver coated catheters and wound dressings.

The silver ions are added to materials at the manufacturing stage. This results in an active concentration of silver ions on the surface of the product.

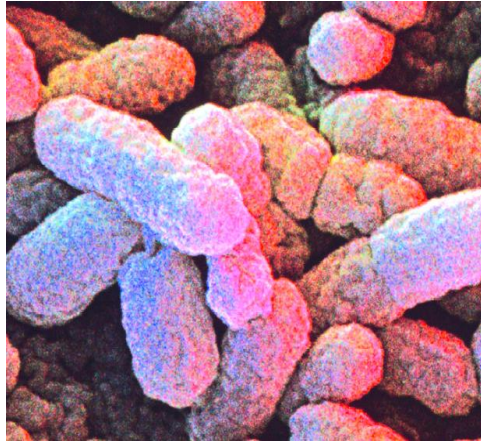
The silver ions cause functions in the bacteria to break down. This results in the bacteria being unable to reproduce and therefore inhibits bacterial growth.

Extensive independent testing has been carried out on a wide range of bacteria including MRSA and E.coli. Products have been tested for the simulated life of the product /material with no significant reduction in the antimicrobial performance noted; therefore the silver ions are effective for the life of the product.



BioCote forms part of a second line of defence, with the potential for spreading contamination through manual contact being minimised. Working with Manufacturers, BioCote can offer a complete anti microbial solution incorporating BioCote technology into a variety of product surfaces which are effective against a wide range of organisms.

BioCote advocate that all protected products are cleaned in the accordance with cleaning regimes and procedures in place.




LAWLABS

Client: BioCote Limited
 Walsworth Avenue, Science Park
 Technology Centre
 Glanville Drive
 Walsworth Avenue
 WV10 9BT

Job Ref: 0489493
 Sample Ref No: LSN 2526706
 Date Received: 08/06/2004
 Date Reported: 29/06/2004

CERTIFICATE OF ANALYSIS

Mark: One **FILM TEST**

Address: 800203

Test	Result	Unit	EN
Enterobacteriaceae	<0.1	%	Reference After 24 Hours
Escherichia coli EHEC	<0.1	%	Reference After 24 Hours
Salmonella enteritidis	0.2	%	Reference After 24 Hours
Staphylococcus aureus (Methicillin Resistant)	<0.1	%	Reference After 24 Hours
Pseudomonas aeruginosa	0.1	%	Reference After 24 Hours
Staphylococcus aureus	<0.1	%	Reference After 24 Hours
Salmonella typhimurium	0.1	%	Reference After 24 Hours
Staphylococcus faecalis	0.1	%	Reference After 24 Hours
Enterococcus faecium	0.1	%	Reference After 24 Hours
Enterobacter aerogenes	<0.1	%	Reference After 24 Hours

Comment: Microbiological results satisfactory.

S.J. Pridmore C. Fisher J. Jones J. Jones J. Jones J. Jones
 Microbiology Microbiology Microbiology Microbiology Microbiology Microbiology
 Law Laboratories Ltd. 10000 10000 10000 10000 10000

007049311

