

EXEL STech—SILVER SAFE TOOL HANDLES

Do you use contaminated cleaning equipment ?

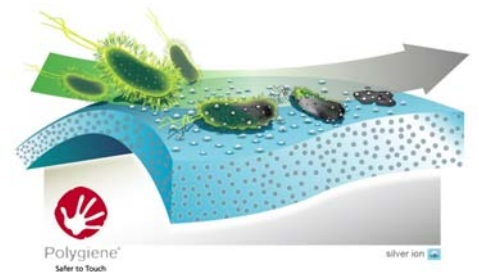
Now there is an alternative—the **Exelens™ Stech antimicrobial tool handle**. The antimicrobial ingredient, Polygiene silver ion, is built into the molecular structure of the composite tool handle. It does not wash or wear off, but lasts for the useful life of the product.

Technology

Polygiene is a breakthrough, patented antimicrobial technology that employs ionic silver to inhibit the growth of micro-organisms. Independent tests have shown the technology to have high efficacy against harmful bacteria such as E-Coli and MRSA when incorporated into the composite products.

Tested and confirmed

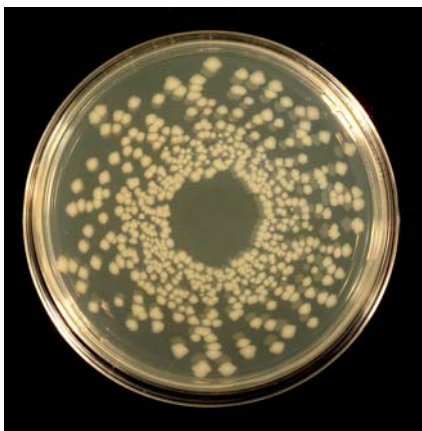
Exel **Exelens™** tool handle components, both composite tube and accessories, have been tested and confirmed by an independent research laboratory (IMSL Industrial Microbiological Services Ltd., UK).



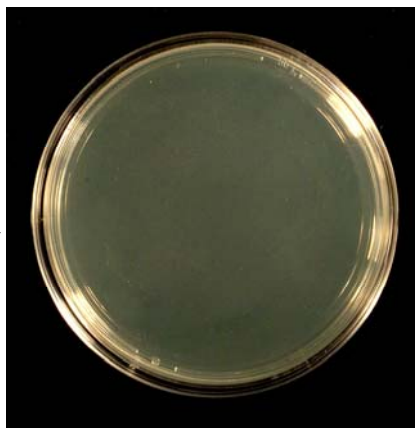
1. The silver is homogenously distributed throughout the material
2. Silver migrates to the surface
3. Silver ions inhibit the bacteria growth on the surface by penetrating the cell membrane



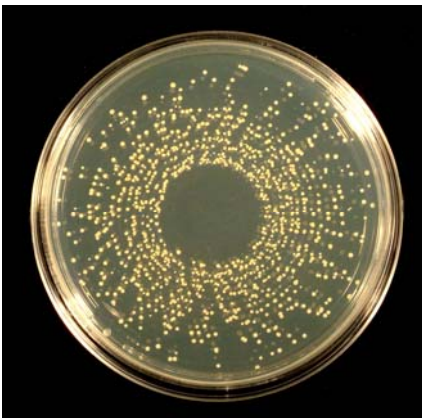
Determination of Antibacterial Activity using Test based on JIS Z 2801:2000 (Japan), performed by IMSL, UK:



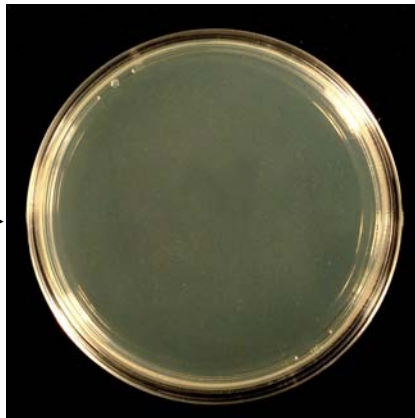
E coli control



E coli treated



MRSA control



MRSA treated

The antimicrobial agents, based on natural silver salts, inhibit growth of a broad range of bacteria, mould and mildew. The protection works by neutralising the ability of organisms to function, grow and reproduce.

These antimicrobial properties are additional advantages to the existing benefits of **Exelens™** composite tool handles:

- inhibits bacterial growth
- provides durable protection
- increased protection against contamination

Application areas:

- hospitals
- food service and packaging areas
- restaurants
- kitchens
- clean rooms
- pharmaceutical labs
- waste water treatment plants
- other areas that need extra protection against microbes



Silver is known
for its antibacterial
characteristics



2009