

PROTECTION. PASS IT ON.

HALYARD* POWERGUARD* Technology
Protects your trays with greater than a 99.9% barrier

PATIENT PROTECTION = EXCELLENT MICROBIAL BARRIER PROPERTIES

When it comes to your sterilisation packaging, preserving sterility means protecting your patient. The assumption that your packaging is keeping bacteria out of your surgical instruments is just not good enough. You need to examine the data. A BFE-test, or Bacterial Filtration Efficiency test, challenges the wrap with a standard 2200 bacteria and traps the bacteria that are able to penetrate through the fabric¹. The number of bacteria that are prevented from passing through the material are reported as the fabrics percent efficiency; the higher the percentage, the better the material performs at blocking out bacteria.

As you can deduct from the table below, a fabric evaluated by the test method that achieves a BFE of 70% would allow as many as 660 Colony-forming units (or CFUs) of bacteria to pass through the fabric, while a BFE of 90% still allows 220 CFUs to pass through.

NOT ALL STERILISATION WRAPS ARE EQUAL

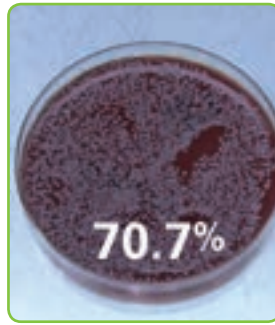
The agar plates represent the surfaces of surgical instruments or other items typically packaged in sterilisation wrap. The plates have been covered respectively with a reusable sterilisation wrap; 2 layers SMS sterilisation wrap; and HALYARD ONE-STEP* H400. The fabric covered plates were challenged with *Staphylococcus aureus* bacteria.

After twenty-four hours, the wrap is removed and the CFUs are counted to determine the number of bacteria that penetrated through the different sterilisation wrap fabrics.

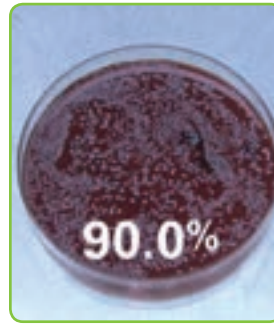
BARRIER INTEGRITY

PERCENT FILTRATION EFFICIENCY (BFE)	NUMBER BACTERIA PASSED THROUGH
50%	1,100
70%	660
90%	220
95%	110
96%	88
97%	66
98%	44
99%	22
≥ 99.9%*	0-2

*100% BFE reporting is not permitted per good statistical practices



Reusable sterilisation wrap



SMS sterilisation wrap



HALYARD ONE-STEP* H400

HALYARD ONE-STEP* achieves a $\geq 99.9\%$ barrier, this is the highest score which can be achieved on the BFE-test.

POWERGUARD* TECHNOLOGY: A TREATMENT THAT MAKES THE DIFFERENCE AND REMAINS EFFICIENT AFTER STERILISATION¹



HALYARD* multi-layer fabric laminated into one sterilisation wrap²

All HALYARD* sterilisation packaging material is treated with the unique patented POWERGUARD* Technology.

The HALYARD* patented process infuses the wrap fabric with unique electric micro-fields surrounding the Meltblown fibres. This varied network of charged fibres forms gradients within the fabric structure, enabling it to be highly effective at microbial capture and retention, so essential in preventing fibre release of captured microbial contaminants over time.

The patented POWERGUARD* treatment maintains these high capture and retention properties through sterilisation, manipulation and storage.

HALYARD* SEQUENTIAL, HALYARD ONE-STEP* AND HALYARD* QUICK CHECK* STERILISATION WRAP PROVIDE YOU AND YOUR PATIENT WITH A RELIABLE PROTECTION THAT YOU CAN TRUST.



KNOWLEDGE NETWORK*
Clinical Education

Knowledgeable Customer
Support

Expert Sales Force

Tools & Best Practices

Clinical Research

Commitment to Excellence

References: 1. US patent 5,998,308, December 7, 1999. 2. Scanning Electron Microscopy Images, Kimberly-Clark AMT, Reference Rep 3475

For more information, please send an email to customerservice.uk.ie@hyh.com or visit www.halyardhealth.co.uk.

