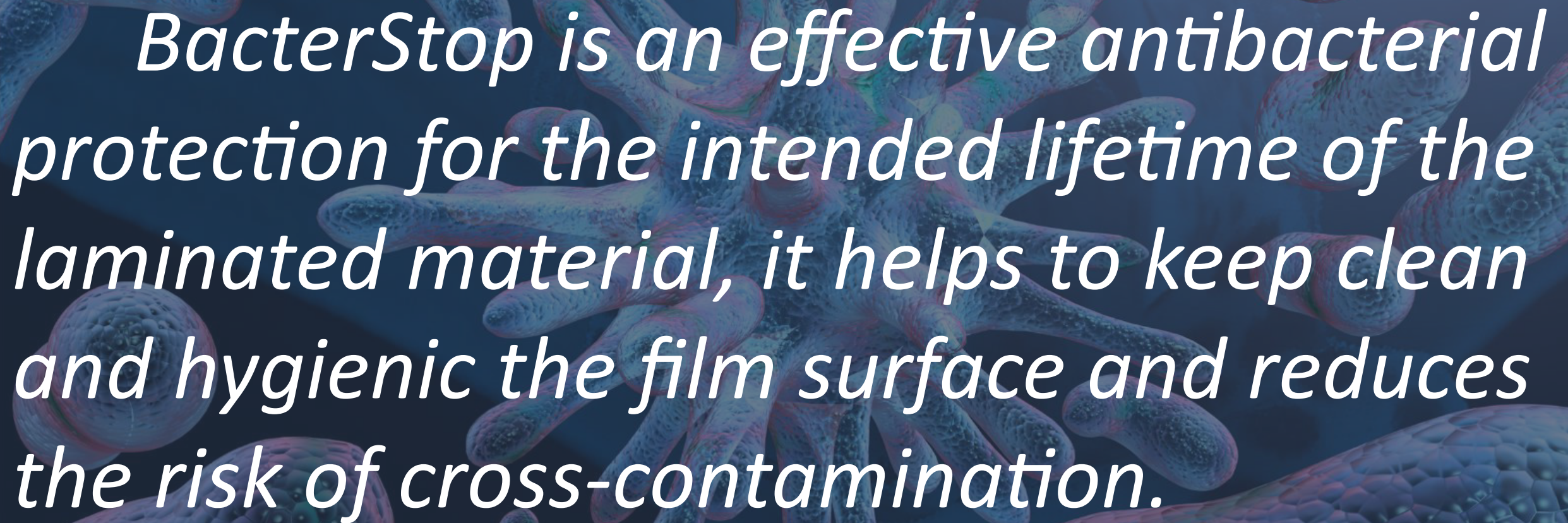


The background of the entire image is a microscopic view of various bacteria. The bacteria are rendered in shades of blue, cyan, and magenta, giving them a glowing appearance. They have different shapes, including rod-like forms, spherical forms, and some with flagella. The lighting is dramatic, with strong highlights and deep shadows, creating a sense of depth and texture.

**BACTERSTOP**

*SURFACE PROTECTION  
AGAINST BACTERIA  
BY BARNIFAST*

The background of the slide is a microscopic view of various bacteria, including rod-shaped and spherical forms, rendered in a blue and purple color palette. The bacteria are scattered across the frame, with some appearing in sharp focus and others blurred in the background.

*BacterStop is an effective antibacterial protection for the intended lifetime of the laminated material, it helps to keep clean and hygienic the film surface and reduces the risk of cross-contamination.*





- ✓ *Gloss & Matte finishes available.*
- ✓ *Thermal and Wet versions available.*
- ✓ *Same technical, optical and mechanical characteristics as Gloss & Matte Premier films by Barnifast.*



- ✓ *No matter how many hands touch the laminated product, its surface will remain free of bacteria.*
- ✓ *BacterStop eliminates, at least, 99% of bacteria that comes into contact with the film.*



- ✓ BacterStop's main additive is based on silver ion technology.
- ✓ BacterStop film is effective for the intended lifetime of the laminated material.
- ✓ BacterStop film is smell free and visually looks like *Gloss & Matte Premier films by Barnifast.*

# FOR MULTIPLE INDUSTRIES

## GRAPHIC ARTS

**Restaurant Menu's**  
**Airline Brochures**  
**Hospital Media**  
**Public Brochures**



## LABELS

**Pressure Sensitive Labels**  
**Roll Fed Labels**  
**In Mold Decorating**



...and even **Flexible Packaging**

# FOR MANY APPLICATIONS

**PERSONAL CARE**

**HYGIENE PRODUCTS**

**HOUSEHOLD CLEANING**

**HEALTH CARE PHARMACEUTICALS**

**CHILDREN'S PRODUCTS**

**FOOD INDUSTRY**

**MEDICAL PACKAGING**





# SCIENTIFIC STUDY

AN EXTERNAL REPORT BY AN INDEPENDENT LABORATORY IS AVAILABLE:

“THE DETERMINATION OF THE ANTIBACTERIAL ACTIVITY OF FILM FORMULATIONS AGAINST ESCHERICHIA COLI AND STAPHYLOCOCCUS AUREUS USING ISO 22196:2007”

## RESULT

BACTERSTOP KILLED 99% OF TEST BACTERIA CONTACTING FILM SURFACE





## FAQ's

### **How effective is BacterStop?**

BacterStop is proven to inhibit the growth of microbes by up to 99%.

### **Is BacterStop safe?**

Yes. It is based on silver ion technology, recognised for centuries with no harmful effects. BacterStop is used in medical, food and graphic arts applications.

### **What's the difference between antimicrobial and antibacterial?**

An antimicrobial inhibits the growth of, or destroys harmful microorganisms such as bacteria, fungi and moulds. An antibacterial specifically prevents the growth of bacteria.

### **Has BacterStop been tested?**

Yes, repeatedly. BacterStop is tested to ISO standards. We also undertake ongoing quality control tests and environmental trials.

### **How long is BacterStop effective for?**

BacterStop is effective for the intended lifetime of the product it's added to. It is built-in and doesn't wear off or leach out.

### **Does BacterStop affect a product in any way?**

No. You can't see, smell or even taste BacterStop.

### **Can a BacterStop-treated polymer be recycled?**

Yes, it can be recycled effectively without any complications.



## FAQ's

### Is BacterStop effective against antibiotic-resistant bacteria?

Yes. BacterStop has been proven to be effective to antibiotic-resistant bacteria such as resistant Staphylococcus aureus (MRSA) and Vancomycin-resistant Enterococcus (VRE).

### Is BacterStop a substitute for regular cleaning?

No. BacterStop protects product surfaces in between cleans.

### Does BacterStop use nano-silver technology?

No. We don't use nano technology due to ongoing safety concerns.

## How does BacterStop work?

**1** BacterStop binds to the cell wall disrupting growth



**2** The BacterStop ions interfere with enzyme production stopping the cell producing energy



**3** BacterStop interrupts the cell's DNA preventing replication





# BacterStop seals





**@BARNI FAST**

<https://www.barnifast.com>