



# The Silver Ions Are Not Just from A Thread Or Chemical

Purtect uses proprietary Air-Coating technology to evenly distribute Silver molecules on the surface of fabrics, so your skin and sweat is always in contact with the anti-bacterial surface, and this prevents bacteria from breeding and creates excellent anti-bacterial effects.

ABOUT

## Permanent Anti-bacterial Effects

The Purtect do not fall off from washing even after 50 washes and it continues to kill 99.9% of most bacteria. Although the shine of the silver fades, the effects never will.

## Not Harmful To The Skin

Since we don't use either chemical synthesis or nanotechnology to produce silver fibers, our products do not irritate the skin, and will not cause human cells to lyse when used.

We have gathered much feedback from the clients testing Purtect textile.

Our products have all passed the ISO-10993-5 specification and showed no cytotoxicity.

## Antibacterial Activity Test : Prewash 20 cycles

As Per AATCC135 & AATCC 100

# 99.9%

Percent Reduction of Bacteria (R)

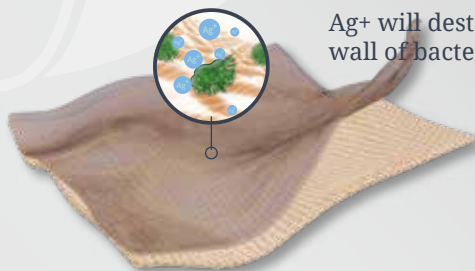
### Test Item

- Staphylococcus Aureus (ATCC 6538P)
- Escherichia Coli (ATCC 8739)
- Candida Albicans (ATCC 10231)
- Klebsiella Pneumoniae (ATCC 4352)
- Pseudomonas Aeruginosa (ATCC 10145)



## How Purtect Works

The overall process using air-coating technology puts silver molecules in full contact with the skin, releasing silver ions through sweat to destroy the cell wall of bacteria.



Ag<sup>+</sup> will destroy the cell wall of bacteria and virus.

## Applications

Purtect protection can be applied to a full range of woven & Knit fabrics.

Only Purtect prefers synthetic fibers, especially Polyester.

## Functions



Antibacteria



Anti-Statics



0 Wastewater



Cooling



No Cytotoxicity



Permanent