

NEW ANTIBACTERIAL PROCESS

Technology transfer | Business opportunities

Fields

- Medical devices
- Fight against nosocomial infections

Benefits

- No toxic solvent
- Quick process
- Ease of use

Intellectual property

- US

Contact



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Description

A new process has been developed to eliminate bacteria in fabrics and items made of plastic.

The process is based on the immobilization, on fabric and plastic polymers, of photosensitizers with antibacterial properties. The photobleaching of the surface then has a bactericidal effect. The process is effective against Gram + and Gram - bacteria.

Plastics such as fabrics are not the easiest materials to sterilize. The current methods are time consuming to put in place and can be toxic.

Development status

This method has been applied to bandages and has proven effectiveness in the elimination of up to 99,999% of *S. Aureus*.



Technology Readiness Level 6: Technology demonstrated in relevant environment

Next step: System prototype demonstration in operational environment