

### Microorganisms & hospital infections

The medical industry is challenged by the presence of microorganisms and the negative effects they cause. In Europe, more than twice as many people die as a result of hospital acquired infection each year than are killed in road traffic accidents.

The World Health Organisation states that textiles act as a microbial harbour and offer ideal conditions for the proliferation of superbugs. A UK microbiologist recently published a report in the Lancet that bed linens, hospital gowns and tables were all a more common source of superbugs than floors.

### Performance tested and approved through clinical trial

mædical<sup>TM</sup> i-LINK has been tested *in vivo* in hospital environments through 50 industrial laundry cycles. Results were validated by **L'Institut Pasteur de Lille** in the context of the European-funded research programme "FlexiFunBar", contract n° 505864 IP-SME-FP6.

Reduction (%) vs untreated	Number of industrial laundry cycles		
	1	25	50
Bacteria	90,00%	100%	87,56%
Yeast and fungus	99,99%	99,87%	100%

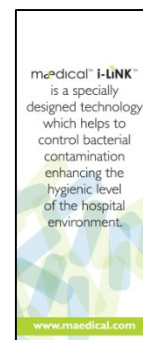
### How does the mædical<sup>TM</sup> i-LINK technology work?

The new molecule works by permanently linking a non-migrating antimicrobial coating on to textiles. Microorganisms are attracted to the surface of the textile, where once in contact with the treatment their cell membranes are punctured, as if by a sword. The piercing mechanism both kills and prevents re-growth of the micro-organism. mædical<sup>TM</sup> i-LINK is clinically proven to be perfectly safe in contact with human skin and releases no pollutants into the environment.

### Advantages – mædical<sup>TM</sup> i-LINK

- mædical<sup>TM</sup> i-LINK – Proven permanent antimicrobial technology validated by L'institut Pasteur de Lille
- mædical<sup>TM</sup> i-LINK – No migration to the skin or the environment
- mædical<sup>TM</sup> i-LINK – Does not induce microbial mutation
- mædical<sup>TM</sup> i-LINK – Environmentally responsible technology
- mædical<sup>TM</sup> i-LINK – Full branding package – [www.maedical.com](http://www.maedical.com)

Label



### Applications

Bedding, Uniforms, Textiles for Operating Theatres, Curtains, Upholstery, Wound Dressings, Bandages

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