

It's time to fight  
antimicrobial resistance

#wound\_  
warriors

# At least

# 30%

of antibiotic courses prescribed  
in the outpatient setting are  
unnecessary.<sup>1</sup>



<sup>1</sup> Fleming-Dutra, K., et al. (2016). "Prevalence of Inappropriate Antibiotic Prescriptions Among US Ambulator Care Visits, 2010-2011." JAMA: The Journal of the American Medical Association 315(17): 1864-1873

# This leads to increased

The graphic features a light blue background with a faint world map. Several stylized bacteria are scattered across the scene: a large blue one in the top right, a small blue one on the left, a large blue one in the bottom left, and several purple ones of various sizes in the center and bottom right. A large, magenta, teardrop-shaped bubble is positioned in the center-right, containing the text 'Antimicrobial Resistance AMR' in white. The overall theme is global health and the impact of antimicrobial resistance.

**Antimicrobial  
Resistance  
AMR**



**By 2050, it's predicted that AMR  
will be responsible for**



**10  
million**

**annual deaths  
worldwide.<sup>1</sup>**



# In order to prevent ...


... the spread of antimicrobial resistant bacteria, there needs to be a significant decrease in antibiotic use in wound care.

While the World Health Organization is addressing AMR with a Global Action Plan, there is a lot of room to contribute to the prevention of AMR in the wound care sector.<sup>1</sup> To be truly effective against AMR, action must be taken at every level of wound care, from wound specialists to wound nurses. The European Wound Management Association recommends avoiding the unnecessary usage of antibiotics through adequate infection prevention/management and appropriate hygiene protocols.<sup>2</sup>



<sup>1</sup> World health Organisation, Global Action plan on antimicrobial resistance, May 2015

<sup>2</sup> EWMA document: Antimicrobials and Non-healing Wounds.

A portrait of a man with short dark hair and a beard, wearing blue medical scrubs. He is standing with his arms crossed, looking off to the side with a slight smile. The background is a gradient of red and purple.

As a leader in wound management solutions, Essity understands the significance of antimicrobial resistance and especially the role that appropriate wound care can play in combatting it.

Join the fight against AMR, with

# #wound\_warriors

An antimicrobial stewardship initiative from Essity that aims to support and educate clinicians on the effectiveness of appropriate infection prevention and infection management in wound care as a means to avoid the unnecessary use of antibiotics.



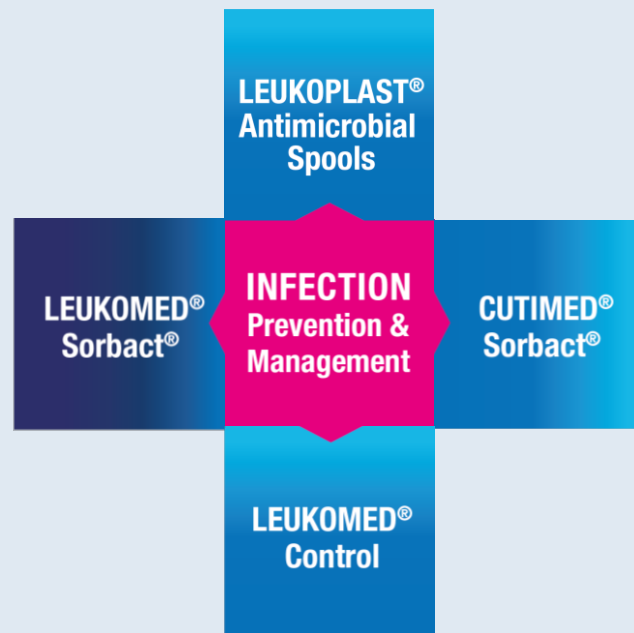
Watch the video





# Appropriate wound care for infection prevention and infection management can play a powerful role in the fight against AMR.

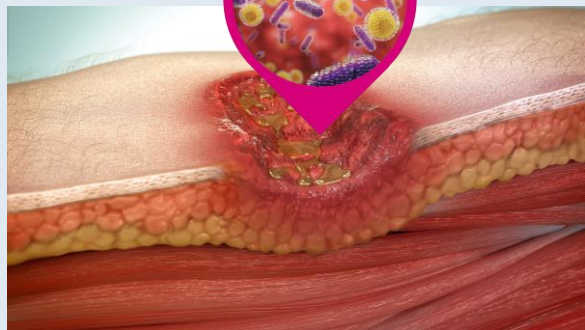
Cutimed® and Leukomed® offer an extensive range of effective products in wound management and infection control which may help reduce excessive use of antibiotics in wound care.



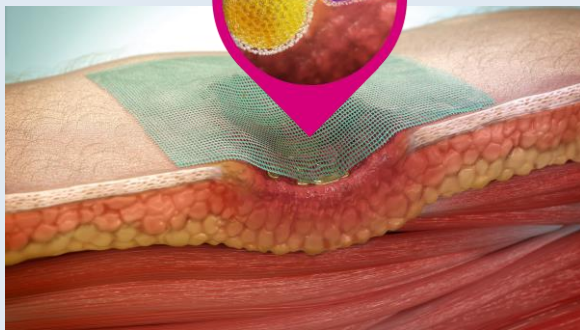
# Sorbact® Technology

Leukomed® Sorbact® and Cutimed® Sorbact® utilize the safe and effective Sorbact® Technology that binds bacteria with a purely physical mode of action. Sorbact® Technology removes bacteria without releasing possibly harmful endotoxins.

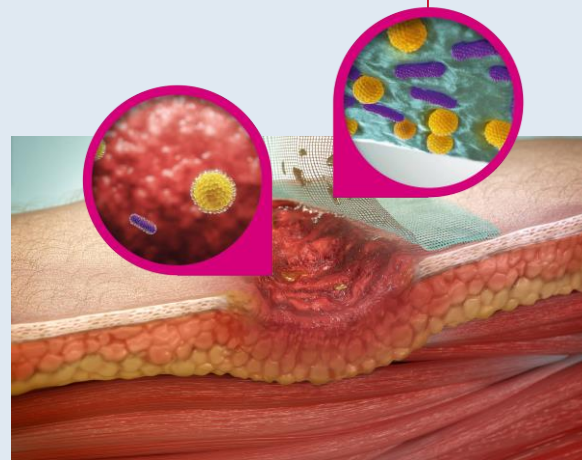
An infected and colonized wound.



Cutimed® Sorbact® is applied directly to the wound. Bacteria and / or fungi are attracted to the Sorbact® mesh.



Bound pathogens are removed with each dressing change.



# New narrative review shows 4,044 patients were successfully treated in clinical studies with Sorbact® Technology<sup>1</sup>

- Wound infection prevention and management<sup>2,3,4</sup>
- Purely physical mode of action
- Binds bacteria and fungi<sup>5</sup>

Evidence  
keeps growing  
for Cutimed®  
and Leukomed  
Sorbact®

<sup>1</sup> Chadwick and Ousey Bacterial-binding dressings in the management of wound healing and infection prevention: a narrative review Journal of Wound Care Vol 28, No 6, June 2019

<sup>2</sup> Mosti et al., (2015) "Comparative study of two antimicrobial dressings in infected leg ulcers: a pilot study", Journal of Wound Care, 24(3): 121-2; 147-7

<sup>3</sup> Staniewski et al. Randomized Controlled Trial Evaluating Dialkylcarbamoyl Chloride Impregnated Dressings for the Prevention of Surgical Site Infections in Adult Women Undergoing Cesarean Section. Surg Infect (Larchmt). 2016 Aug;17(4):427-35

<sup>4</sup> Totty et al., Dialkylcarbamoyl chloride (DACC)-coated dressings in the management and prevention of wound infection: a systematic review. Journal of Wound Care. 2017 Mar 2;26(3):107-114

<sup>5</sup> Lungh et al Using the principle of hydrophobic interaction to bind and remove wound bacteria, Journal of Wound Care Vol 15, No 4, April 2006

# Infection Prevention with Leukomed® Sorbact®

Innovative surgical post-operative dressing for the reduction of bacterial colonization with a purely physical mode of action.

## Indications

All post-operative and traumatic wounds with dry to low exudate levels

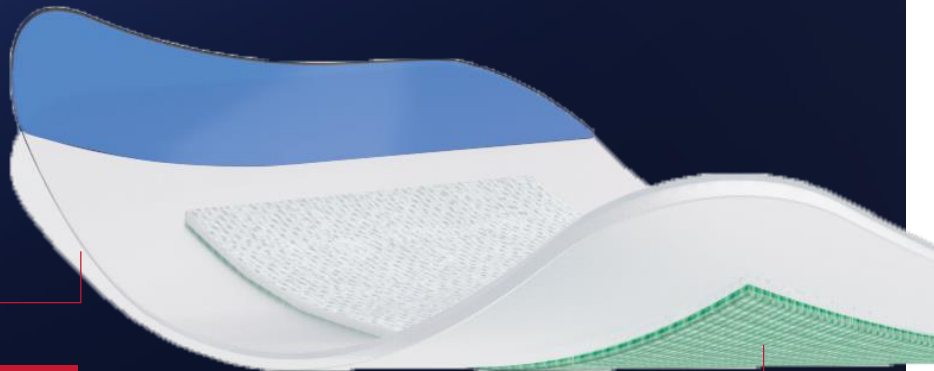
- Surgical incisions
- Lacerations, cuts, abrasions

## Bacteria-proof adhesive film

- Effectively protects against external contamination
- Breathable and shower-proof

## Sorbact® bacteria-binding technology

- Safely binds bacteria from the wound
- No known mechanism of resistance has been described



# Leukomed® Sorbact® has demonstrated proven effectiveness in various clinical studies<sup>1,4</sup>

- Clinically significant 65% relative risk reduction of acquiring a surgical site infection post-caesarean section<sup>1</sup>
- Up to 57% cost reduction of SSI when treating caesarean sections, using NHS cost model<sup>2</sup>
- Effective reduction of the bacterial burden in critically colonized or locally infected wounds<sup>3</sup>

<sup>1</sup> Stanilowski J, Bizon M, Cendrowski K, et al (2016b) Randomized controlled trial evaluating dialkyl carbamoyl chloride impregnated dressings for the prevention of surgical site infections in adult women undergoing caesarean section. Surg Infect (Larchmt) 17(4): 427 -35

<sup>2</sup> Stanilowski PJ, Davies H, McMaster J, Mealing S, Sawicki W, Cendrowski K, Posnett J. Cost-effectiveness of a bacterial-binding dressing to prevent surgical site infection following caesarean section. J Wound Care. 2019 Apr 2;28(4):222-228.

<sup>3</sup> Cutting K, Maguire J (2015) Safe bioburden management. A clinical review of DACC technology. Journal of Wound Care Vol 24, No 5

<sup>4</sup> Bua N, et al. Dialkylcarbamoyl Chloride Dressings in the Prevention of Surgical Site Infections after Nonimplant Vascular Surgery. Ann Vasc Surg. 2017 Oct;44:387-392.

# Infection Management with Cutimed®

Advanced chronic wound dressing for effective wound management with a purely physical mode of action.

## Sorbact® bacteria-binding technology

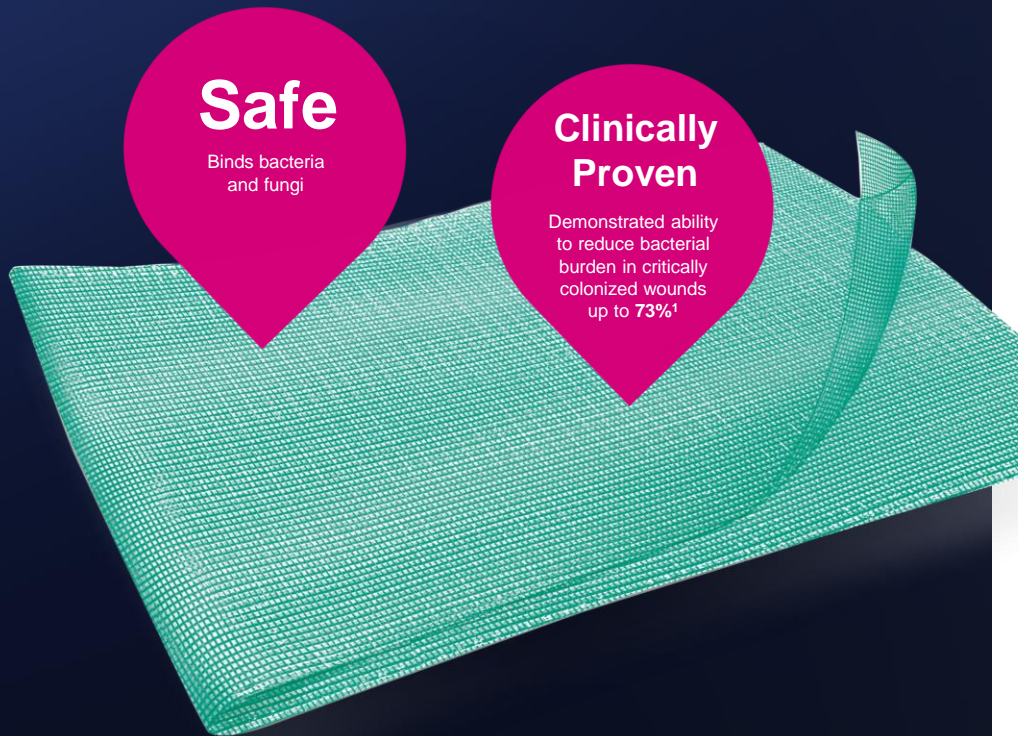
- Safely binds bacteria and fungi
- No known mechanism of resistance has been described

**Safe**

Binds bacteria  
and fungi

**Clinically  
Proven**

Demonstrated ability  
to reduce bacterial  
burden in critically  
colonized wounds  
up to **73%<sup>1</sup>**



<sup>1</sup> Mosti et al. Comparative study of two antimicrobial dressings in infected leg ulcers: a pilot study. J Wound Care. 2015 Mar;24(3):121-2; 124-7

\* Cutimed® Sorbact® delivered a better bacterial reduction than Aquacel Ag in chronic leg ulcers

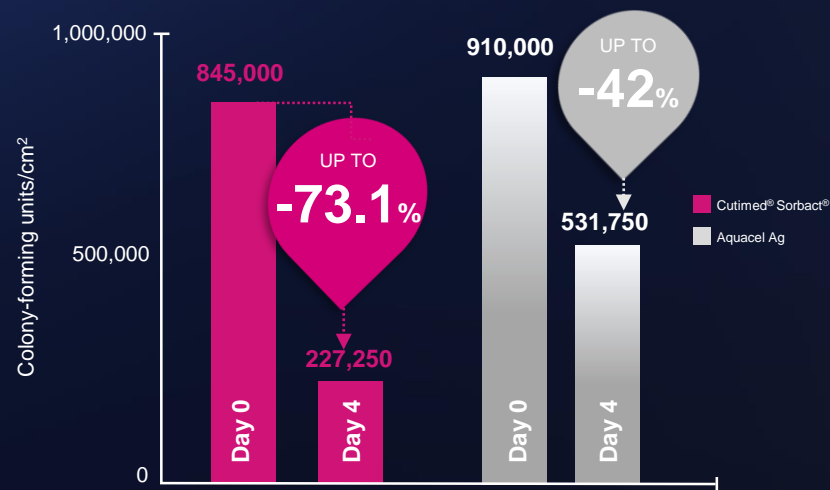
# Cutimed® Sorbact® has demonstrated proven effectiveness.

In a randomized, comparative, single site study of 40 patients with leg ulcers, Cutimed Sorbact was more effective at reducing bioburden than Aquacel Ag.<sup>1</sup>

Sorbact® Technology			Silver-based dressings PHMB dressings Iodine based dressing Topical antibiotics*
Mode of action	Features	Customer's benefit	
Purely physical mode of action	Does not release additional endotoxins <sup>2</sup>	Without additional potential to cause inflammation and delay of wound healing	?
	No release of anti-microbial agents	Safe for use in pregnant and lactating women**	
	No known mechanism of resistance has been described	Suitable for prolonged duration of treatment	
		Reduces the risk to generate resistant strains	

\* Product features and benefits vary throughout all mentioned competing dressing categories. As their modes of action are not purely physical, the assessment of their potential especially for side effects and the development of resistances is subject of continued scientific research.

\*\* Notice precautions for Cutimed Sorbact gel dressings in IFU



Cutimed® Sorbact® delivered a better bacterial reduction than Aquacel Ag in chronic leg ulcers.<sup>1</sup>

<sup>1</sup> Mosti et al., Comparative study of two antimicrobial dressings in infected leg ulcers: a pilot study, Journal of Wound Care, 2015 Mar;24(3):121-2; 124-7

<sup>2</sup> As shown in vitro; Susilo YB, Husmark J, DACC Coated Wound Dressing and Endotoxin: Investigation on Binding Ability and Effect on Endotoxin Release from Gram-negative Bacteria. Poster presented at EWMA 2019.

<sup>3</sup> Ovington L. Bacterial toxins and wound healing. Ostomy Wound Manage. 2003 Jul;49(7A Suppl):8-12. Review.



# Stand up against AMR

with a wide range of products including **Sorbact® technology** for infection management in wound care, from Essity

## Cutimed® Sorbact®

Infection prevention and management for chronic wounds with a purely physical mode of action.

- Sorbact® bacteria-binding technology
- No known mechanism of resistance has been described
- Clinically proven



## Cutimed® DebrideClean

The innovative, efficient and easy-to-use debridement pad.

- Fast and effective cleansing
- 99% biofilm removal with just 4 wipes
- Very good bacterial binding



## Leukomed® Sorbact®

Surgical post-operative dressing for the reduction of bacterial colonization with a purely physical mode of action.

- Sorbact® bacteria-binding technology
- Effective SSI prevention<sup>1,3</sup>
- Bacteria-proof adhesive film



## Leukomed® Control®

Transparent wound dressing for effective infection risk control.

- Transparent, conformable film
- Bacteria-proof film
- Skin-friendly adhesive
- Absorbent hydropolymer gel



## Leukoplast® Antimicrobial spools®

Worlds first spools and snap rings that help prevent cross-transmission of pathogens.

- >99% MRSA reduction within 6 hours<sup>2</sup>
- No known mechanism of resistance has been described<sup>2</sup>
- Provide an additional layer of defense in hygiene<sup>4</sup>



<sup>1</sup> Stanifrowski J, Bizon M, Cendrowski K, et al Randomized controlled trial evaluating dialkylcarbonyl chloride impregnated dressings for the prevention of surgical site infections in adult women undergoing caesarean section. Surg Infect (Larchmt) 17(4): 427 -35

<sup>2</sup> Laboratory studies, carried out by SGS Germany GmbH on behalf of BSN Medical GmbH, 2016, data on file

<sup>3</sup> Bua N, et al. Dialkylcarbonyl Chloride Dressings in the Prevention of Surgical Site Infections after Nonimplant Vascular Surgery. Ann Vasc Surg. 2017 Oct; 44:387-392

<sup>4</sup> Struensee B, et al. Determination of the bioburden level of spools of surgical tapes in different medical institutions. Poster presented at EWMA 2017



# The Way of the Wound Warrior

**Become a Wound Warrior and join the fight against antimicrobial resistance**

With the right tools for infection prevention and management in wound care, the unnecessary use of antibiotics may be avoidable. Through its brands, Cutimed® and Leukomed®, Essity offers a comprehensive range of wound care products that effectively prevent and manage infection with no known risk of further contributing to antimicrobial resistance.

- The purely physical mode of action of Sorbact® technology effectively reduces the bacterial load and promotes wound healing
- No known mechanism of resistance has been described
- No endotoxin release

Prevent and manage infected wounds with the unique technology of Cutimed® Sorbact® and Leukomed® Sorbact®  
Join us and stand up against antimicrobial resistance.



**An antimicrobial stewardship initiative.**

