

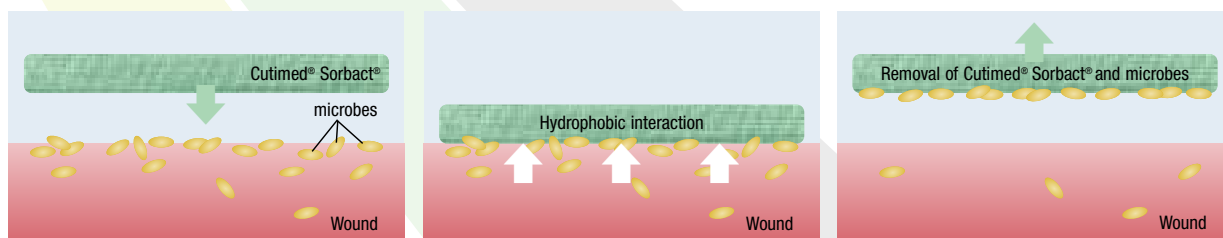
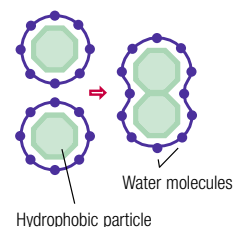
Antibiotic and antiseptic free

Cutimed® Sorbact® **The innovative approach** **to microbe binding therapy.**

The Cutimed® Sorbact® method has been proven to provide effective microbe binding action in chronic and acute wounds across all levels of contamination from colonized to infected. The Cutimed® Sorbact® method relies on the powerful physical principle of hydrophobic interaction to attract, bind and inactivate pathogens without the complications of antibiotics, antiseptics or ions. Bound and inactivated pathogens are removed with each dressing change reducing the microbial load and removing one of the principle barriers to wound healing.

► **The Sorbact® method: Hydrophobic interaction.**

In aqueous environments hydrophobic particles (lipids, cell walls and membranes) naturally aggregate and are held together through their interaction with water molecules. The fatty acid derivative DACC (Dialkyl carbomol chloride) incorporated in Cutimed® Sorbact® products is highly hydrophobic as are the outer membranes and cell walls of pathogenic microbes. Microbes are bound to the dressings where they lose their ability to reproduce and infect the wound.



Indications

Acute and Chronic wounds including contaminated, colonized or infected wounds

Chronic wounds

- Venous leg ulcers
- Diabetic ulcers
- Pressure ulcers
- Arterial ulcers prior to revascularization

Acute wounds

- Post op and dehiscd surgical wounds
- Traumatic wounds
- Post excision of fistulas or abscess



The Advantages of the Sorbact® method:

▶ **Effective against all wound pathogens including MRSA and VRE**

MRSA and VRE retain their hydrophobic character and are readily bound and inactivated by Cutimed® Sorbact® dressings.

▶ **No generation of resistant strains**

The Cutimed® Sorbact® method works outside the microorganism physically binding them together and to the dressing with no chemical or metabolic interactions to which pathogens could develop resistance.

▶ **Non allergic**

Unlike topical antibiotics the Sorbact® method does not utilize allergy inducing substrates or chemicals to which staff or patients might develop sensitization or allergic reactions.

▶ **No cytotoxicity**

The Cutimed® Sorbact® method binds pathogens without affecting the cells involved in wound healing. Cutimed® Sorbact® remains bound to the dressings and has been shown to be without cytotoxic effects.

▶ **Blocks endotoxin release**

Antibiotics and antiseptics kill microbes and encourage the breakdown of microbial cell walls and membranes. Microbial cytoplasm and endotoxins are released into the wound where they are potent stimulators of inflammatory and immune processes that serve as barriers to wound healing. Cutimed® Sorbact® hydrophobic binding insures microbial cell walls stay intact and do not release cytoplasm or endotoxins that interfere with wound healing.

▶ **No contraindications**

There are no known contraindications to the Cutimed® Sorbact® method.



Cutimed® Sorbact® is effective against gram positive and gram negative bacteria (picture: Staph. aureus, Pseudomonas aeruginosa bound to Cutimed® Sorbact®).



The efficacy of Cutimed® Sorbact® is based on the hydrophobic properties of its special coating. The Hydrophobic properties of the DACC coating Cutimed® Sorbact® products produce their powerful and unique mode of action.