



## Let's get physical: Cutimed® Sorbact®



Staph. aureus (yellow), Pseudomonas aeruginosa (purple), Enterococcus faecalis (blue), Klebsiella spec. (green) and Candida albicans (orange) bound to Cutimed® Sorbact® at 4,000 times magnification.

**Innovative microbe  
binding action for  
wound care**

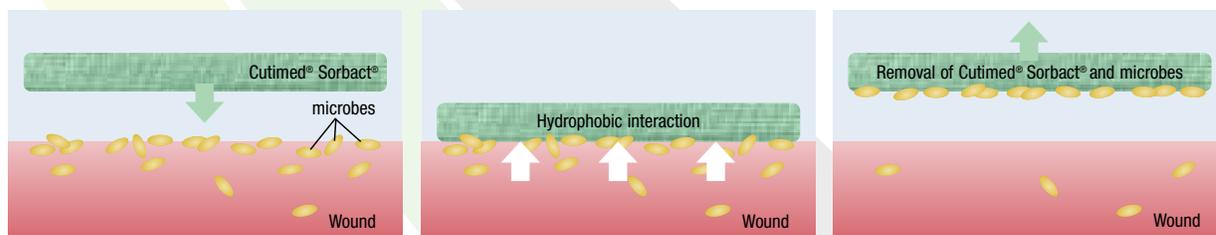
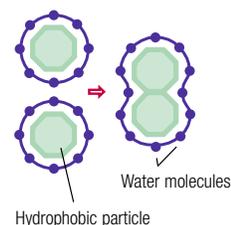
# Antibiotic and antiseptic free

## 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**

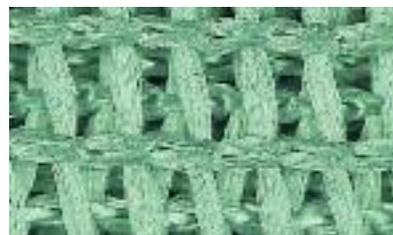
Antibiotics and antiseptics kill microbes and encourage the breakdown of microbial cell walls and membranes. Microbial cytoplasm and endotoxins are released into the wound where they are potent stimulators of inflammatory and immune processes that serve as barriers to wound healing. Cutimed® Sorbact® 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.

Wide product range



## Cutimed® Sorbact® The right choice for every wound.

The Cutimed® Sorbact® range of products offers high flexibility in the microbe binding therapy of infected wounds. Choose your dressing depending on type of wound, exudate level and wound depth:

### ▶ Cutimed® Sorbact® Gel

Cutimed® Sorbact® Gel is a hydrogel impregnated dressing that delivers the advantages of the Sorbact® method of microbial management to dry, necrotic, sloughy or cavity wounds.



### ▶ Cutimed® Sorbact® dressing pads

Absorbent pad dressing with Cutimed® Sorbact® wound contact layer.



### ▶ Cutimed® Sorbact® ribbon gauze

Sorbact® impregnated cotton ribbon gauze for wound filling and packing.



### ▶ Cutimed® Sorbact® swabs

Classic wound sponge presentation of Sorbact® impregnated acetate gauze.



### ▶ Cutimed® Sorbact® round swabs

Preformed Sorbact® impregnated acetate round swabs for wound cleansing.



### Works well with other dressings

Cutimed Sorbact dressings may be used in combination with other primary and secondary dressings to insure appropriate microbial, exudate and moisture management.

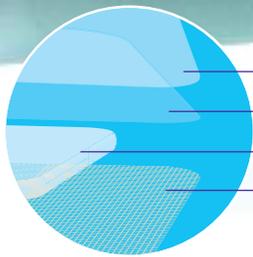
- Hydrogels
- Transparent dressings
- Foam dressings
- Absorbent dressings



**NEW**

# Cutimed® Sorbact® Hydroactive Infection control **plus** fluid management.

## ▶ Cutimed® Sorbact® Hydroactive



- Printed PET carrier (remove after dressing application)
- Semipermeable polyurethane film
- Hydropolymer Matrix variable absorption layer (away from wound side)
- Microbe Binding Sorbact® mesh (toward wound side)

### Variable absorption matrix adapts to wound moisture levels

- Maintains wound bed moisture in non exuding wounds
- Absorbs high levels of exudate when required
- Locks exudate in hydropolymer core even under pressure or compression
- Prevents peri wound maceration
- Manages more wound types reducing the need for multiple dressings in inventory
- Stays on longer to reduce dressing change frequency and cost of treatment.

### Gentle on the wound

- Does not stick to wound bed
- Conforms to the wound
- Cushions and protects
- Atraumatic, pain-free dressing changes

### The Sorbact Method

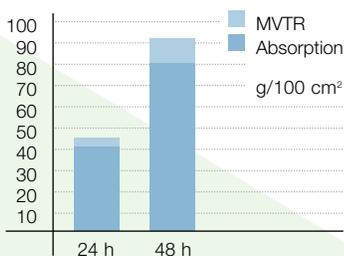
- Works with contaminated and infected wounds
- Physically binds and inactivates pathogens
- Reduces wound odor
- Reduces cytoplasm and endotoxin release
- Reduces infection and inflammation



Apply to the wound and remove the outer carrier.



High absorption insures reduced frequency of dressing changes while Non Adherent Cutisorb® Sorbact® Hydroactive insures dressing changes are pain-free.



### Fluid absorption capacity of Cutimed® Sorbact® Hydroactive

MVTR- Moisture Vapor Transmission Rate  
In-vitro tests confirm the superior total fluid management capacity of Cutimed Sorbact Hydroactive. In-vitro report (data on file)

## Evidence based support of the Sorbact® Method

### ▶ The Sorbact® method: Reliable infection control.



Building on the success of previous trials<sup>2-4</sup> a multicenter investigation of 116 patients with colonized or infected wounds showed improvement in 93% of wounds treated with the Cutimed® Sorbact® Method. The Cutimed® Sorbact® Method successfully reduced pain and barriers to wound healing.

### ▶ The more pathogenic the microbe the more Cutimed Sorbact is effective.



Studies have documented the increase in the expression hydrophobic interactions as pathogens become more virulent.<sup>5-8</sup> The Sorbact® method utilizes the principle of hydrophobic action to bind and inactivate pathogens including fungi such as *C. Albicans* providing an effective alternative or concurrent way to reduce wound contamination and infection.<sup>9-10</sup>

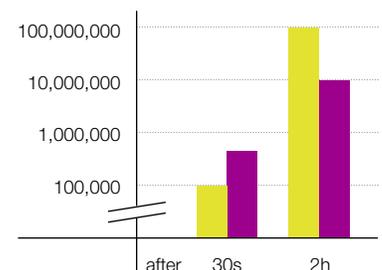


Wound pathogens under the electronic microscope: *Streptococcus pyogenes*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Candida albicans*

### ▶ Rapid action: from 0 to 100,000 in 30 seconds.



A wound with a bacterial count of  $10^5$  per gram of tissue is considered infected. One square centimeter of Cutimed® Sorbact® can bind and inactivate  $10^5$  bacteria in 30 seconds. Within 2 hours the Sorbact® method climbs to  $10^8$  pathogens bound per square centimeter.<sup>9</sup>



The fast binding of Cutimed® Sorbact® shown in *S. aureus* (yellow) and *P. aeruginosa* (purple)

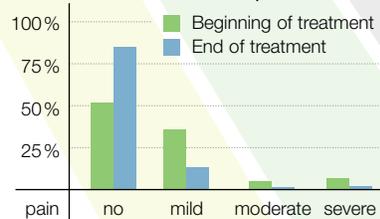
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▶ **Marked reduction in wound pain**

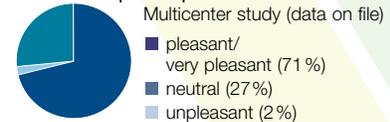


Pain is a cardinal symptom of infection and studies have shown wounds treated with the Sorbact® Method show significant reduction in wound pain.<sup>11-13</sup>

Reduction of wound pain



Patient's perception

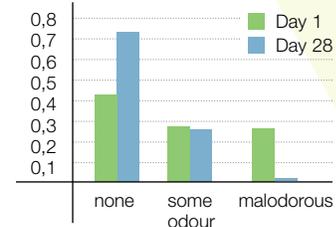


▶ **Odor and visual assessment of infection**



Studies demonstrate considerable improvement in wound odor and visual assessment for infection when using the Cutimed® Sorbact® Method.<sup>9,11</sup> Both measures score highly on improving quality of life and patient centered concerns about their wound. Reduction in infection and inflammation are essential to supporting active wound healing.

Reduction in malodour



▶ **Easy to use**



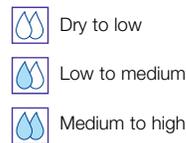
Cutimed® Sorbact® products consistently receive outstanding ratings for product handling and ease of use. In one study 98% of clinicians rated the dressings as “easy” or “very easy” to apply. The Cutimed® Sorbact® line provides the appropriate product for every wound situation.

Product handling

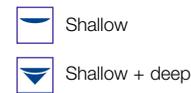


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## Exudate level



## Wound depth



## Wound phase



## Ordering Information

Cutimed® Sorbact®	REF No.	Size (Wound pad)	Dressings/box	Suggested HCPCS Code
<b>Hydroactive</b> Variable absorption matrix manages low to high exudation levels 	7264603	2 <sup>3</sup> / <sub>4</sub> " x 3 <sup>5</sup> / <sub>16</sub> " (2" x 2 <sup>1</sup> / <sub>2</sub> ")	10	A6242
	7264604	5 <sup>1</sup> / <sub>2</sub> " x 5 <sup>1</sup> / <sub>2</sub> " (4" x 4")	10	A6242
	7264605	7 <sup>1</sup> / <sub>2</sub> " x 7 <sup>1</sup> / <sub>2</sub> " (6" x 6")	10	A6243
	7264606	9 <sup>1</sup> / <sub>2</sub> " x 9 <sup>1</sup> / <sub>2</sub> " (8" x 8")	5	A6243
	7264607	5 <sup>1</sup> / <sub>2</sub> " x 9 <sup>1</sup> / <sub>2</sub> " (4" x 8")	10	A6243
<b>Dressing pads</b> Absorbent dressing pads with Sorbact wound contact layer 	7216101	2 <sup>3</sup> / <sub>4</sub> " x 3 <sup>1</sup> / <sub>2</sub> "	5	A6251
	7216100	2 <sup>3</sup> / <sub>4</sub> " x 3 <sup>1</sup> / <sub>2</sub> "	40	A6251
	7216201	4" x 4"	5	A6251
	7216200	4" x 4"	40	A6251
	7216300	4" x 8"	20	A6252
<b>Swabs</b> Classic wound gauze sponge presentation of Sorbact impregnated acetate gauze. 	7216401	1 <sup>1</sup> / <sub>2</sub> " x 2 <sup>5</sup> / <sub>16</sub> "	5	A6222
	7216400	1 <sup>1</sup> / <sub>2</sub> " x 2 <sup>5</sup> / <sub>16</sub> "	40	A6222
	7216501	2 <sup>3</sup> / <sub>4</sub> " x 3 <sup>1</sup> / <sub>2</sub> "	5	A6222
	7216500	2 <sup>3</sup> / <sub>4</sub> " x 3 <sup>1</sup> / <sub>2</sub> "	40	A6222
<b>Ribbon gauzes</b> Sorbact impregnated cotton ribbon gauze for wound filling and packing 	7216600	<sup>3</sup> / <sub>4</sub> " x 50 cm	20	A6266
	7216700	2" x 200 cm	10	A6266
<b>Round swabs</b> Preformed Sorbact impregnated acetate round swabs for wound cleansing. 	7216800	walnut	70 (14 x 5)	A6222
<b>Gel</b> Hydrogel impregnated dressing delivering the Sorbact method of microbial management plus autolytic debridement to dry, necrotic, sloughy or cavity wounds. 	7261100	3" x 3"	10	A6231
	7261101	3" x 6"	10	A6232

HCPSC codes listed are only suggested codes; other codes may be more applicable depending on intended product use. Codes are subject to change without notice.

For more information on the Cutimed® Sorbact® range of products please visit us at: [www.cutimed-sorbact.com](http://www.cutimed-sorbact.com)

Please refer to the product label and package insert for full instructions on the safe use of these products.