



Effective against Multi-Drug-Resistant-Organisms (MDRO) such as MRSA, VRE, ESBL

MDRO decolonisation

# Prontoderm®

FOR MDRO DECOLONISATION OF SKIN AND MUCOUS MEMBRANES THROUGH PHYSICAL CLEANSING

# MDRO

## A GROWING PROBLEM FOR HOSPITALS AND NURSING HOMES



MRSA (Methicillin Resistant *Staphylococcus aureus*) is one of the most common causes of MDRO (Multi Drug Resistant Organisms) infections in hospitals and nursing homes. The reason for its continuous spread are inadequate implementation of preventive infection control procedures and the non-critical use of antibiotics, together with the fact that MRSA can be transmitted by simple hand contact.

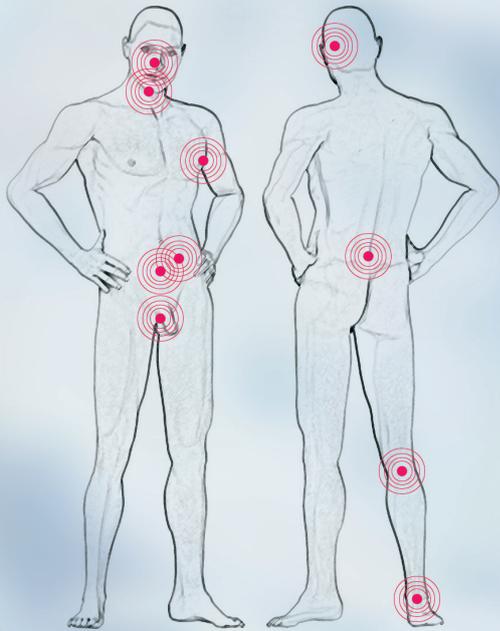
Whereas colonisation of MDRO in healthy individuals does not bring any risk of illness, in people with a weakened immune system it may under certain circumstances lead to infections and other, sometimes more serious diseases, for example:

- Skin infections (furuncle, mastitis, folliculitis)
- Eye infections
- Osteomyelitis
- Pneumonias
- Wound infections following surgery
- Complications due to haematogenous dissemination (abscesses of internal organs, septicaemia, endocarditis)

**Main risk:** Transmission of MDRO from skin into wounds during surgery.

### **Risk and influential factors that favour MDRO colonisation and infection:**

- Prolonged hospital stays
- Treatment in intensive-care units
- Long periods of antibiotic treatment
- Surgical interventions
- Close contact with «MDRO-colonised» individuals
- Ontravasal catheters (CVC, artery, dialysis shunt)
- Infections (hepatitis, HIV, influenza)
- Skin injuries
- Immunosuppression



#### PROBLEM ZONES IN MDRO DECOLONISATION

- Scalp
- Oropharynx
- Auditory canals
- Tracheostoma
- Axilla (e.g. skin lesion caused by hair removal)
- Decubitus
- Groin/perianal region (e.g. obesity)
- Skin abnormalities (e.g. neurodermatitis, psoriasis)
- Gaping wounds
- Wound slough
- Drainage site (e.g. secretion discharge)

#### Higher patient mortality and increasing costs for hospitals and nursing homes

Numerous studies confirm that infections due to MDRO strains are associated with high mortality, lead to a 2 – 3 fold longer period spent in hospital and consequently involve higher directly attributable costs for diagnostics and therapy. Immediate isolation of MRSA patients in the intensive care unit or in private represent a considerable cost burden for the hospital.

#### Measures in the event of MRSA cases

Guidelines from the Commission for Hospital Hygiene and Infection Prevention at the Robert Koch-Institute (Berlin, Germany) state that care in hospital must be on an isolation basis.

Nearly all European countries have implemented procedures regarding hygiene measures for an outbreak of MRSA.

In principle prevention and combat of MRSA can only be achieved by consistent and systematic hygiene management:

- Early recognition and verification of MRSA strains
- Information and training of personnel
- Reduction of the number of transfers and transportation
- Sanitation of nasal MRSA colonisation
- Strict observance of general and specific infection control measures and monitoring of their success

# The Prontoderm® System

THE HOLISTIC CONCEPT FOR MDRO DECOLONISATION



- Tested effective against Multi-Drug-Resistant Organisms such as MRSA, VRE, ESBL
- Proven antimicrobial barrier effect for up to 24 hours<sup>1</sup>
- Does not have to be washed off, thus saving time and money
- Outstanding skin tolerance, dermatologically tested
- Available as solution, wipes, nasal gel, hair foam, shower gel and mouth rinse solution



<sup>1</sup> Internal in Vitro Test - F. Brill 2008 - Data on File



## INDICATIONS

- MDRO decolonization through physical cleansing
- Suitable for application in a medical environment
- Applicable for pre-operative cleansing
- Sustained antimicrobial barrier effect to prevent recolonization by transient flora
- Inhibition of MDRO growth, spreading and transmission
- Reduction of odour

## PROPERTIES

Prontoderm® contains a synergistic mixture of surfactants and polyaminopropylbiguanide (preservative polihexanide) in water. Polihexanide is characterised by high tissue tolerance and biocompatibility. Epicutaneous tests confirm the absence of skin irritations. For this reason the German Association for Hospital Hygiene recommends products containing polihexanide for whole body sanitation.

### Documentation on Prontoderm®

On request you can receive an extensive reference list with information on biocompatibility, microbiology, clinical results, post marketing surveillance and literature references.

<sup>1</sup> Consensus recommendation on wound antisepsis, Zeitschrift für Wundheilung Issue 3, 2004

| Polihexanide  | Surfactants <sup>1</sup>   |
|---|--|
| <ul style="list-style-type: none"> <li>▪ Excellent skin tolerance</li> <li>▪ Skin and mucous membranes do not dry out</li> <li>▪ No irritations</li> <li>▪ Low cytotoxicity</li> <li>▪ No tissue irritation or sensitization</li> </ul> | <ul style="list-style-type: none"> <li>▪ Particularly high quality tenside</li> <li>▪ Excellent cleansing effect</li> <li>▪ Excellent skin tolerance</li> <li>▪ Skin and mucous membranes are not affected</li> <li>▪ Skin and mucous membranes do not dry out</li> <li>▪ Exemplary record in body care products for sensitive skin</li> </ul> |
| <p>Because of its tissue tolerance polihexanide is currently rated according to the consensus recommendation (April 2004) as the «treatment of 1<sup>st</sup> choice».<sup>1</sup></p>  | <p>Complements polihexanide perfectly in its cleansing effect</p>  |

# Prontoderm®

## USE INSTRUCTIONS



### WASHING HAIR

Once daily, massage Prontoderm® Foam into the hair.  
Use enough for the length of the hair.

Exposure time: 3 – 5 minutes

### NASAL CARE

Cleanse the nose three times daily with cotton swabs (removing any stubborn crusts), then use a new cotton swab for each nare to apply Prontoderm® Nasal Gel into the nose.

### MOUTH RINSING

Rinse the mouth three times daily with 10 ml ProntOral® and gargle.

### WASHING THE BODY – MOBILE PATIENTS

Shower once daily with Prontoderm® Shower Gel. Use shower to moisten body and hair, and then use a washcloth to distribute a palm-sized amount of Prontoderm® Shower Gel onto the surface of the body (including the outer ear, navel and genital area).

Exposure time: 1 minute

Afterwards, shower Prontoderm® Shower Gel off.

### WASHING THE BODY – IMMOBILE PATIENTS

Carefully wash each body part with separate Prontoderm® Wipes or Prontoderm® Solution.

## GENERAL INSTRUCTIONS



- Place denture in Prontoderm® Solution
- Clean teeth with disposable toothbrush
- Wipe off glasses and hearing aid with Prontoderm® Wipes
- Textiles in contact with skin (e.g. bedding, undergarments, towels) should be changed daily. If possible, wash these at 60 °C.
- After the disinfection procedure, discard any care and hygiene products used during the disinfection (e.g. toothpaste, roll-on deodorant, cream)

**SURFACE DISINFECTION WITH Meliseptol® Wipes sensitive**  
CDC<sup>1</sup> named surface disinfection as a major accompany method for the abatement of MDRO transmission. Without a sufficient disinfection of all frequently-touched surfaces (bedrails, charts, bedside tables, doorknobs and light switchers), MDRO can spread and increases the risk of unforced infections.

<sup>1</sup> [http://www.cdc.gov/hicpac/mdro/mdro\\_4.html](http://www.cdc.gov/hicpac/mdro/mdro_4.html) (accessed 25 Oct 2016)

### WOUND TREATMENT

For wound treatment, a similarly decolonising wound irrigation solution (e.g. Prontosan®) should be used.



Use disinfectants safely.

Always read the label and product information before use.

# MDRO decolonisation

## Prontoderm® Solution

Skin decolonisation of the whole body

- Colourless solution for MDRO decolonisation on skin, mucous membranes and hair, nursing care and reduction of odour
- Sustained antimicrobial barrier effect to prevent recolonization
- Inhibition of MDRO growth, spreading and transmission
- Due to the excellent skin tolerance also suitable for patients with sensitive skin and long-term use
- Does not have to be rinsed or washed off

| Unit of sale     | REF |
|------------------|-----|
| 500 ml bottle    |     |
| 5 liter canister |     |

Ingredients: 0.11 % Polyaminopropyl Biguanide (Polihexanide), Surfactants, Excipients



+ does not have to be washed off, thus saving time and money

## Prontoderm® Nasal Gel

Cleansing and MDRO decolonisation of the nasal vestibules

- Low viscous gel which is easy to apply into the nose and does not flow away
- Sustained antimicrobial barrier effect to prevent recolonisation
- For care and moistening of the nasal vestibules
- Suitable for long-term use

| Unit of sale | REF |
|--------------|-----|
| 30 ml tube   |     |

Ingredients: 0.1 % Polyaminopropyl Biguanide (Polihexanide), Glycerine, Hydroxyethylcellulose, Excipients



+ sustained antimicrobial barrier effect to prevent recolonisation

## Prontoderm® Shower Gel

MDRO decolonisation, physical cleansing and nursing care for the whole body

- High viscous shower gel for the whole body
- Spread the shower gel onto the whole surface of the moistened body (exposure time: min. 1 – 2 minutes)
- Excellent skin tolerance
- Suitable for long-term use

| Unit of sale | REF |
|--------------|-----|
| 100 ml tube  |     |

Ingredients: 0.1 % Polyaminopropyl Biguanide (Polihexanide), Glycerine, Hydroxyethylcellulose, Excipients



## Prontoderm® Foam

Ready-to-use cleansing foam

- Can also be used for hair washing
- Does not have to be rinsed or washed off, thus saving time
- Suitable for long-term use, especially for immobile and bedridden patients

| Unit of sale          | REF |
|-----------------------|-----|
| 200 ml pump dispenser |     |

Ingredients: 0.11 % Polyaminopropyl Biguanide (Polihexanide), Surfactants, Excipients



# MDRO decolonisation

## ProntOral®

Ready-to-use mouth wash irrigation with a pleasant peppermint flavor

- For MDRO decolonisation in the oral cavity and pharynx
- Prevention of plaque formation, caries, periodontitis and gingivitis
- Alcohol-free with a pleasant peppermint flavor
- Eliminates odour
- For supportive nursing care for patients who have been treated with radiotherapy

| Unit of sale | REF |
|--------------|-----|
|--------------|-----|

250 ml bottle with measuring cap

Ingredients: 0.15% Polyaminopropyl Biguanide (Polihexanide),  
Aroma, Sodium Cyclamate, Suractants, Excipients



+ daily mouth hygiene to preserve a physiological oral flora

## Prontoderm® Wipes

10 moist disposable cloths for skin and mucous membrane

- Excellent skin moistening
- Suitable for patients with sensitive skin and impaired mucous membranes
- Easy to use
- Microwaveable (550 W / 1 min.)
- Saves time and money: no need to wash off and no cleaning of wash cloth or wash bowl required

| Unit of sale | REF |
|--------------|-----|
|--------------|-----|

10 wipes in airtight pack

Ingredients: 0.11% Polyaminopropyl Biguanide (Polihexanide),  
Surfactants, Excipients



+ contains allantoin

## Prontoderm® MDRO Kit

All the important products of the Prontoderm® family

The Prontoderm® MDRO Kit allows to thoroughly rehabilitate the patients any time in a quick and easy way. Thanks to this kit the rehabilitation from head to toe according to the RKI recommendation is feasible.

- Clear information and aid regarding the MDRO topic
- Compact and handy
- Ready-to-use product for an immediate start
- Ideal for the use within MDRO networks

### CONTENT

- 4 x 500 ml Prontoderm® Solution
- 1 x 250 ml ProntOral® mouth irrigation
- 1 x 200 ml Prontoderm® Foam
- 1 x 30 ml Prontoderm® Nasal Gel



+ the Prontoderm® system  
in a convenient kit

| Unit of sale | REF |
|--------------|-----|
|--------------|-----|

MDRO-Kit, 1 piece

Ingredients: 0.1% Polyaminopropyl Biguanide (Polihexanide), Glycerine, Hydroxyethylcellulose, Excipients

This international brochure contains information which is targeted to a wide range of audiences and could contain product details or information otherwise not accessible or valid in your country.