



**DYMACARE<sup>®</sup>**

advanced protection

**ORAL CARE**

Reducing the risk of  
hospital-acquired pneumonia

# VAP and HAP ARE SERIOUS RISKS TO PATIENTS IN HOSPITALS

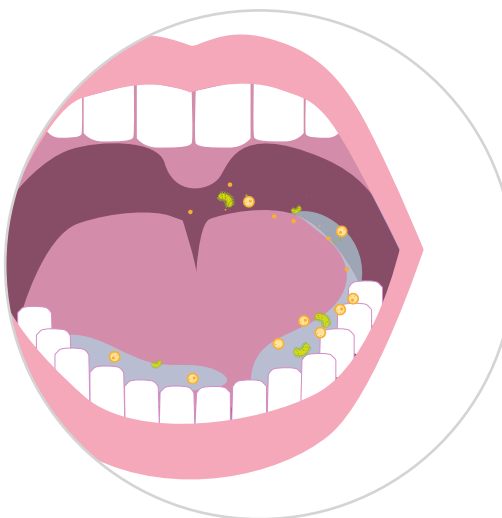
VAP (ventilator-associated pneumonia) is defined as pneumonia that occurs 48-72 hours or thereafter following endotracheal intubation, characterized by the presence of new or progressive infiltrate<sup>1</sup>.

VAP contributes to approximately half of all cases of HAP (hospital-acquired pneumonia).<sup>1</sup> It is the second most common nosocomial infection in the intensive care unit (ICU) and the most common in mechanically ventilated patients<sup>3,4</sup>

VAP is estimated to occur in 9-27% of all mechanically ventilated patients<sup>1,2</sup>, with a mortality rate of about 13%<sup>5</sup>

## MOST COMMON CAUSES OF VAP<sup>7</sup>:

- Colonization of the plaque with germs from the air we breathe
- Colonization of the oropharyngeal area with bacteria
- Inhalation of contaminated secretions from the mouth / throat



## BACTERIA AND VAP

The oral cavity contains, on average, 500 different types of bacteria, and each millilitre of saliva contains  $10^7$ - $10^{12}$  bacteria. Smear tests of tracheal mucus reveal it contains the same bacterial strains found within plaque, that are causing VAP.<sup>6</sup>

Bacteria commonly associated with VAP<sup>1</sup>:

- *Pseudomonas aeruginosa* • *Staphylococcus aureus* • MRSA
- *Enterobacter spp.* • *Klebsiella pneumoniae* • *Escherichia coli*
- *Streptococcus pneumoniae*

**27%**  
mechanically  
ventilated  
patients  
estimated to  
get VAP<sup>1,2</sup>



**2nd**  
most common  
infection  
in ICUs<sup>4,5</sup>

mortality rate  
of about<sup>5</sup>

**13%**

## TIME TO STANDARDISE ORAL CARE

A frequent problem within healthcare is the lack of guidelines. Just as often - no product standards. Uncoordinated use of various oral care products and oral antiseptics. Moreover, oral care is often based on personal experience and existing traditions. As a result, there is a wide variety of equipment & protocols for those administering oral care. This leads to errors and increases in infection rates throughout hospitals. A consistent approach will facilitate consistent positive outcomes.

### Comprehensive portfolio

We offer a wide range of products to help protect your patients and help you standardise oral care.

Our products can help you deliver oral care

- consistently
- efficiently
- and safely

## PROMOTE THE WELL-BEING OF YOUR PATIENTS



Safeguard oral health by ensuring the oral cavity is kept clean and moist



Poor oral hygiene can also affect a patient's mood



Reduce risk of VAP and HAP by regularly cleaning oral cavity and keeping it germ free.



#### REFERENCES:

1. American Thoracic Society, Infectious Diseases Society of America: Guidelines for the management of adults with hospital-acquired, ventilator-associated, and health care-associated pneumonia. Am J Respir Crit Care Med 2005, 171: 388-416.
2. Chastre J, Fagon JY: State of the art: ventilator-associated pneumonia. Am J Respir Crit Care Med 2002, 165: 867-903. 10.1164/ajrccm.165.7.2105078
3. Hunter JD: Ventilator associated pneumonia. BMJ 2012, 344: e3325. 10.1136/bmj.e3325
4. Afshari A, Pagani L, Harbarth S: Year in review 2011: Critical care - infection. Crit Care 2012, 16: 242-247. 10.1186/cc11421
5. Melsen WG, Rovers MM, Groenwold RH et al (2013) Attributable mortality of ventilator-associated pneumonia: a meta-analysis of individual patient data from randomised prevention studies. Lancet Infect Dis 13:665-671
6. Cason et al. Nurses impl. of Guidelines for ventilator associated Pneumonia. American Journal of critical care 2007; 1/16:1
7. Schleder B, et al., J Advocate Health Care. 2002;4(1):27-30.

UNTREATED ALL-IN-ONE TRAY SYSTEMS



**DYMACARE<sup>®</sup> UNTREATED ORAL SUCTION TOOTHBRUSH SYSTEM with alcohol-free mouthwash + moisturiser**

Can be connected directly to standard suction lines

**System contains:**

100 units/box

- |   |                               |
|---|-------------------------------|
| 1 Untreated suction toothbrush €€ 0,459 | 1 Alcohol-free mouthwash 15ml |
| 1 Untreated oral swab €€                | 1 Mouth moisturiser 4g        |

REF DYOC201



**DYMACARE<sup>®</sup> UNTREATED ORAL SUCTION TOOTHBRUSH SYSTEM**

Can be connected directly to standard suction lines

**System contains:**

100 units/box

- |   |
|---|
| 1 Untreated suction toothbrush €€ 0,459 |
| 1 Untreated oral swab €€                |

REF DYOC205



**DYMACARE<sup>®</sup> UNTREATED SUCTION TOOTHBRUSH & SWAB SYSTEM**

Can be connected directly to standard suction lines

**System contains:**

100 units/box

- |   |
|---|
| 1 Untreated suction toothbrush €€ 0,459 |
| 1 Untreated suction swab €€ 0,459       |

REF DYOC206



**DYMACARE<sup>®</sup> UNTREATED ORAL SUCTION SWAB SYSTEM with alcohol-free mouthwash + moisturiser**

Can be connected directly to standard suction lines

**System contains:**

100 units/box

- |                                    |                               |
|------------------------------------|-------------------------------|
| 2 Untreated suction swabs €€ 0,459 | 1 Alcohol-free mouthwash 15ml |
|                                    | 1 Mouth moisturiser 4g        |

REF DYOC207



**DYMACARE<sup>®</sup> UNTREATED ORAL SUCTION TOOTHBRUSH AND SWAB SYSTEM II with alcohol-free mouthwash + moisturiser**

Can be connected directly to standard suction lines

**System contains:**

100 units/box

- |   |                               |
|---|-------------------------------|
| 1 Untreated suction toothbrush €€ 0,459 | 1 Alcohol-free mouthwash 15ml |
| 1 Untreated suction swab €€ 0,459       | 1 Mouth moisturiser 4g        |

REF DYOC209



**DYMACARE<sup>®</sup> UNTREATED ORAL SUCTION TOOTHBRUSH AND SWAB SYSTEM III with chlorhexidine mouthwash + moisturiser**

Can be connected directly to standard suction lines

**System contains:**

100 units/box

- |   |                                |
|---|--------------------------------|
| 1 Untreated suction toothbrush €€ 0,459 | 1 Chlorhexidine mouthwash 15ml |
| 1 Untreated suction swab €€ 0,459       | 1 Mouth moisturiser 4g         |

REF DYOC259

NEW

### SODIUM BICARBONATE TREATED ALL-IN-ONE TRAY SYSTEMS

**Dentifrice INCI:** Sodium Bicarbonate, Lauryl Glucoside, Cellulose Gum, Aqua (Water), Sodium Benzoate, Sucralose, Mentha Viridis (Spearmint) Leaf Oil (Limonene)



#### DYMACARE® SODIUM BICARBONATE TREATED ORAL SWAB SYSTEM with alcohol-free mouthwash + moisturiser

System contains:

100 units/box

- |  |                               |
|--|-------------------------------|
| 2 Sodium bicarbonate treated oral swabs €€ | 1 Alcohol-free mouthwash 15ml |
|  | 1 Mouth moisturiser 4g        |

REF DYOC202



#### DYMACARE® SODIUM BICARBONATE TREATED ORAL SUCTION SWAB SYSTEM

Can be connected directly to standard suction lines

System contains:

100 units/box

- |   |
|---|
| 2 Sodium bicarbonate treated suction swabs €€ <sub>0459</sub> |
| 1 Untreated oral swab €€                                      |

REF DYOC203



#### DYMACARE® SODIUM BICARBONATE TREATED ORAL SUCTION SWAB SYSTEM with alcohol-free mouthwash + moisturiser

Can be connected directly to standard suction lines

System contains:

100 units/box

- |   |                               |
|---|-------------------------------|
| 2 Sodium bicarbonate treated suction swabs €€ <sub>0459</sub> | 1 Alcohol-free mouthwash 15ml |
| 1 Untreated oral swab €€                                      | 1 Mouth moisturiser 4g        |

REF DYOC204



#### DYMACARE® SODIUM BICARBONATE TREATED ORAL SUCTION SWAB SYSTEM III with alcohol-free mouthwash + moisturiser

Can be connected directly to standard suction lines

System contains:

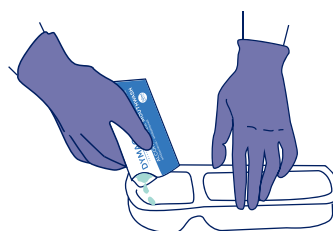
100 units/box

- |  |                               |
|--|-------------------------------|
| 1 Sodium bicarbonate treated suction swab €€ <sub>0459</sub> | 1 Alcohol-free mouthwash 15ml |
| 1 Untreated oral swab €€                                     | 1 Mouth moisturiser 4g        |

REF DYOC208



The individually wrapped Dymacare Oral System contains every item you will need to perform mouth cleansing.



Every system has a liquid tray to contain the dispensed oral care solution. Use our system to moisten swabs or toothbrushes, as required.

**DYMACARE® Individually wrapped Untreated Suction Toothbrushes in a dispenser box**

The suction toothbrush can be connected to a standard suction line and controlled using the thumb port. Suction function helps to remove secretions, debris and mucus build-up from the patient's mouth. Simply connect to a standard suction line and control using the thumb port. Can be used on its own or in combination with mouthwash, and other antibacterial solutions. Packed into a convenient dispenser case.

REF DYOC100 (200) 2 dispenser boxes per case (total 200 units) **CE** 0459

**DYMACARE® Individually wrapped Untreated Suction Swabs in a dispenser box**

Use the suction swab for oral cleaning when brushing is not required. Simply connect to a standard suction line and control using the thumb port. The suction function helps to remove secretions, debris and mucus build-up from the patient's mouth, and the angled head facilitates the cleaning of hard to reach areas. Packed into a convenient dispenser case.

REF DYOC101 (200) 2 dispenser boxes per case (total 200 units) **CE** 0459

**DYMACARE® Individually wrapped Untreated Oral Swabs in a dispenser box**

Helps to remove debris and mucus build-up from the patient's mouth. Can be used on its own or in combination with mouthwash, moisturiser and other antibacterial solutions. Packed into a convenient dispenser case.

REF DYOC102 (500) 2 dispenser boxes per case (total 500 units) **CE**

**DYMACARE® Individually wrapped Sodium Bicarbonate Treated Suction Swabs in a dispenser box**

Use the suction swab for oral cleaning when brushing is not required. The sodium bicarbonate treated swab can be connected to a standard suction line, and controlled using the thumb port. The suction function helps to remove secretions, debris and mucus build-up from the patient's mouth, and the angled head facilitates the cleaning of hard to reach areas. Packed into a convenient dispenser case.

REF DYOC103 (200) 2 dispenser boxes per case (total 200 units) **CE** 0459



**DYMACARE® Individually wrapped Sodium Bicarbonate treated oral swabs in a dispenser box**

Helps to remove debris and mucus build-up from the patient's mouth. Can be used on its own or in combination with a mouth moisturiser and other antibacterial solutions. Packed into a convenient dispenser case.

REF DYOC104 (300) 2 dispenser boxes per case (total 300) CE



**DYMACARE® Alcohol free mouthwash 15ml**

Antibacterial mouthwash can be used with suction swabs and toothbrushes as well as mouth rinse. Mint flavoured rinse kills bacteria and refreshes oral cavity.

**INGREDIENTS:**

Aqua, Glycerin, Poloxamer 407, Aroma, Sodium Benzoate, Sodium Saccharin, Cetylpyridinium Chloride, Sodium Fluoride, Citric Acid, CI 42051. Contains 0.05% w/w Sodium Fluoride (225 ppm F).

REF DYOC105 250 units/box



**DYMACARE® Mouth moisturiser 4g / DYOC106**

To prevent drying of the oral cavity; use the oral swab to apply the moisturiser to the patient's mouth & lips. The moisturiser has a refreshing mint flavour.

**INGREDIENTS:**

Aqua, Glycerin, Propylene Glycol, Polysorbate 20, Hydroxyethylcellulose, Sodium Benzoate, Aroma, Citric Acid, Sucralose, Aloe Barbadensis Leaf Juice, CI 18965, CI 42051.

REF DYOC106 300 units/box



**DYMACARE® Chlorhexidine mouthwash 15ml / DYOC109**

Antibacterial chlorhexidine mouthwash can be used with suction swabs and toothbrushes as well as mouth rinse. Mint flavoured rinse kills bacteria and refreshes oral cavity.

**INGREDIENTS:**

Aqua, Hydrogenated Starch Hydrolysate, PEG-40 Hydrogenated Castor Oil, Mentha Piperita (Peppermint) Oil [Limonene, Linalool], Erythritol, Rebaudioside A, Chlorhexidine Digluconate, Potassium Sorbate.

REF DYOC109 250 units/box

- ✓ Individually wrapped to prevent contamination
- ✓ Packed into easy-access dispenser boxes
- ✓ Consistent care & faster processes

- ✓ Single use disposable packaging is more hygienic
- ✓ Easier handling & transportation
- ✓ Promptly dispose of used items to maintain hygienic conditions

# HOW TO USE ORAL CARE PRODUCTS:

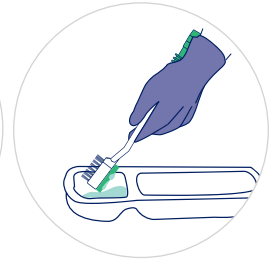
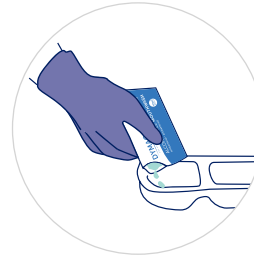
Our oral care range is intended for single oral use only. For each item:



1. Always wear gloves.



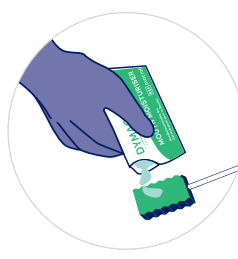
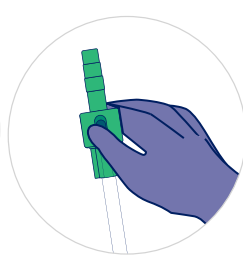
2. Tear pack open. If using mouthwash, pour liquid into designated tray.



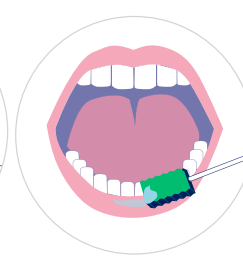
3. If using suction device (as appropriate), saturate toothbrush/ suction swab with a mouthwash. Attach it to suction line.



4. First inspect the oral cavity and then brush teeth, cheeks, gums & tongue. To increase suction power, place thumb over the suction valve. Clean mouth for 1 minute.



5. If required, and using the oral swab, apply moisturiser to lips and oral cavity.



6. Discard used kit and gloves. Wash hands. Document process as per setting protocol.

**CAUTION: single use only. Apply controlled vacuum to avoid injury. Use minimal force when working in the oral cavity. Do not allow patient to bite down on the device. Use bite block if patient has altered levels of consciousness. Use caution with children and unresponsive individuals. Not intended for use on broken skin. Cease use if irritation occurs. Post-treatment: ensure the device is in tact, and that the oral cavity is free of particles and injury.**

Products listed are CLASS I and CLASS IIa non-sterile medical devices. Intended to be used by healthcare professionals. Before use, please read instructions and precautions on the corresponding labelling.



## INDIVIDUAL ORAL CARE SYSTEMS

- flexible - individually configurable for each patient
- cost saving - no unnecessary components
- a selection of different options for every situation

- ✓ We offer quality products, made in the UK
- ✓ We can manufacture customized sets
- ✓ We offer competitive prices
- ✓ We are quick to implement (delivery of special solutions within 8 weeks)

## DYMACARE® is a registered trademark of Pearmine Health Ltd.

Made in UK by  
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