

# ORAL CARE

## BEATING BIOFILM WITH COMPREHENSIVE ORAL CARE

### EFFECTIVE CLEANSING AND MOISTURISING

#### SODIUM BICARBONATE

Treated swab heads cleanse and refresh the teeth and gums while stimulating oral tissues. Mechanically cleans, refreshes and deodorises the oral cavity.

#### PEROX-A-MINT® SOLUTION

Mechanically cleans and debrides with 1.5% hydrogen peroxide. As an oral debriding agent, it aids in the removal of phlegm, mucus or other secretions associated with occasional sore mouth. <sup>1</sup> Releases bubbles of oxygen by enzymatic action when peroxide comes into contact with tissues.<sup>2</sup>

#### ALCOHOL-FREE MOUTHWASH

Cleans and refreshes without drying or irritating. Contains 0.05% cetylpyridinium chloride.

#### MOUTH MOISTURISER

Water-based formula soothes and moisturises lips and oral tissue with vitamin E and coconut oil.

### BENFITS OF 0.5% CETYLPYRIDINIUM CHLORIDE

In order to evaluate the oral antiseptic properties of Toothette® Alcohol-Free Mouthwash against other brands, a study was performed that compares antiseptic products tested in vitro against three types of microorganisms. Although performed on a cosmetic product, this study was conducted in strict accordance to the FDA Tentative Final Monograph for Oral Antiseptic Drug Products.<sup>3</sup> This monograph reviews cetylpyridinium chloride along with other antiseptic ingredients.

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#### EASY BURST POUCHES DISPENSE SOLUTION IN SECONDS

1. Before opening, place thumbs on burst pouch
2. Squeeze to release fluid

### SOLUTIONS COMPARISON TESTING RESULTS<sup>4</sup>

PRODUCTS	BACTERIAL (LOG <sub>10</sub> ) REDUCTION OVER 30 MINUTES			BACTERIOSTATIC
	S. Mutans	A. Viscosus	C.Albicans	
Toothette® Oral Care Alcohol-Free Mouthwash†	≥ 7.9	≥ 6.9	≥ 7.9	No growth
Cepacol® Antibacterial Mouthwash*	≥ 7.9	≥ 6.9	≥ 7.9	No growth
Listrine Antiseptic Mouthwash**	≥ 6.8	≥ 7.4	≥ 7.9	No growth
Biotene® Mouthwash***	0.1	0.3	0.1	No growth
0.12% CHG oral Rinse‡	≥ 7.9	≥ 7.4	≥ 7.9	No growth

† Toothette® Oral Care Alcohol-Free Mouthwash, which contains 0.05% cetylpyridinium chloride (CPC), is regulated in the EU under Council Directive 76/768/EEC as a cosmetic.

‡ 0.12% Chlorhexidine Gluconate (CHG) Oral Rinse is regulated in the EU under Council Directive 76/768/EEC as a cosmetic.

\* Registered trademark of Combe Incorporated \*\* Registered trademark of McNeil-PPC, Inc. \*\*\* Registered trademark of GlaxoSmithKline

#### REFERENCES

1. Oral Health Care Drug Products for Over-the-Counter Human Use; Tentative Final Monograph; Federal Register, 53(17):2436-61. 2. Oral Health Care Drug Products for Over-the-Counter Human Use; Establishment of a Monograph; Federal Register, 47(101):22760-930. 3. Oral Health Care Drug Products for Over-the-Counter Human Use; Tentative Final Monograph; Federal Register, 59(27):6084-124. 4. Laboratory data on file.

US  
**CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC) FOR GUIDELINES<sup>1\*</sup>**  
FOR PREVENTING HEALTHCARE-ASSOCIATED PNEUMONIA

“...Develop and implement a comprehensive oral-hygiene program (that might include use of an antiseptic agent) for patients in acute care settings or residents in long-term-care facilities who are at risk for health-care associated pneumonia(II).”

NETHERLANDS  
**DECONTAMINATION OF THE DIGESTIVE TRACT AND OROPHARYNX IN ICU PATIENTS (BONTEM)<sup>2</sup>**

“...oropharyngeal decontamination with the antiseptic agents such as chlorhexidine might be an alternative in environments with high levels of antibiotic resistance.”

SINGAPORE  
**MINISTRY OF HEALTH<sup>3</sup>**  
NURSING MANAGEMENT OF ORAL HYGIENE CLINICAL PRACTICE GUIDELINE 2004

“Toothbrushes should be the first line of oral cleansing method unless the patient is prone to bleeding, pain or aspiration. Brush teeth at least twice a day, preferably soon after waking in the morning and before going to bed. Use soft-bristled, small-ended toothbrush.”

U.K.  
**NATIONAL INSTITUTE FOR HEALTH AND CLINICAL EXCELLENCE (NICE) GUIDELINES<sup>4</sup>**  
TECHNICAL PATIENT SAFETY SOLUTIONS FOR VENTILATOR-ASSOCIATED PNEUMONIA IN ADULTS

The NICE guidance covers patients who are on a ventilator and states, “make sure an antiseptic is included as part of the mouth care routine for these patients.”

**EFFICACY OF ORAL CHLORHEXIDINE IN ORAL CARE (WISE)<sup>5</sup>**

“...studies unfortunately do not address the essential need for mechanical cleaning prior to chlorhexidine use...”

“...chlorhexidine is excellent at inhibiting plaque formation in a clean mouth but is of otherwise limited efficacy.

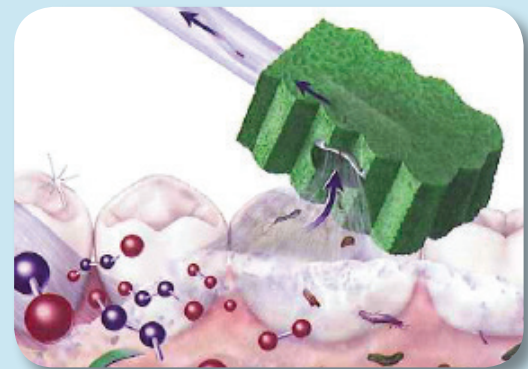
REFERENCES

1. Tablan OC, et al., Guidelines for preventing health-care-associated pneumonia, 2003, Recommendations of CDC and Healthcare Infection Control Practices Advisory Committee (HICPAC), 2003 2. Bonten M, et al., N Engl J Med. 2009;360:20-31 3. Nursing management of oral hygiene. Clinical practice guidelines, Singapore Ministry of Health. 2004 Dec. 4. National Institute For Health And Clinical Excellence (NICE) Guidelines - Technical Patient Safety Solutions For Ventilator-Associated Pneumonia In Adults. August 2008. 5. Wise M et al., Critical Care 2008, 12:419 (doi:10.1186/cc6886) 6. Oral Health Care Drug Products for Over-the-Counter Human Use; Tentative Final Monograph; Federal Register, 53(17): 2436-61.



**CLEAN**

Brushing and suctioning mechanically removes bacterial biofilms (dental plaque) from teeth and oral tissues.



**DEBRIDE**

Swabbing and suctioning with Perox-A-Mint® solution helps remove dead, loosened biofilms.<sup>6</sup>



**MOISTURE**

Water-based Mouth Moisturiser soothes and moisturises oral tissues.