

Airway Medix
SMARTER CARE

Professional Medical
Device Solution

B-Care Oral Care

24h Hygiene Kit

Airway Medix S.A. • 2026



AGENDA

VAP crisis in ICU settings

B-Care Oral Care application areas

B-Care Oral Care product range

VAP prevention protocol

B-Care Oral Care product features

Complete solution

Clinical benefits & health outcomes

Market differentiation

Global market opportunity

Regulatory & compliance

VAP CRISIS IN ICU SETTINGS

Ventilator-Associated Pneumonia (VAP) is a nosocomial pneumonia occurring >48 h after intubation and mechanical ventilation, and is the **most common ICU-acquired infection among mechanically ventilated patients.**¹⁻³

Global VAP Burden¹⁻³

15,6% incidence in ventilated patients | **19,4%** in Europe | **~30%** in some ICU populations

Clinical Impact¹⁻³

VAP increases mortality risk, prolongs ICU/hospital stay, and significantly increases healthcare costs



B-CARE APPLICATION AREAS




ICU & Critical Care

VAP prevention in
mechanically ventilated
patients with evidence-
based oral care
protocols


**Anesthesiology
Departments**

Pre-operative and post-
operative oral care
management and
patient recovery support


**Home Care
Settings**

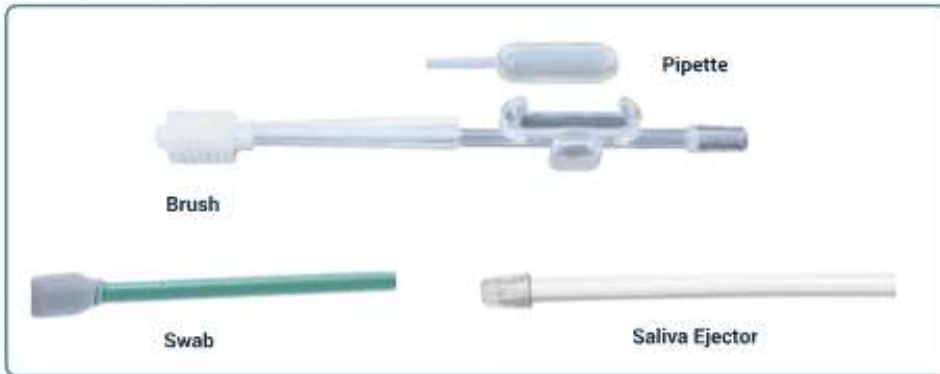
Post-operative recovery
and chronic disease
management for patient
independence

B-CARE PRODUCT RANGE

- B-Care Oral Care Toothbrush,
- Two pipettes (4 ml),
- Swab,
- Saliva ejector.



Scan to view IFU



24h Kit (Q8H)

VAP PREVENTION PROTOCOL

MECHANICAL DEBRIDEMENT

Soft-bristle toothbrushing every 8 hours (Q8H) + oral rinses to disrupt dental plaque and remove pathogenic biofilm associated with VAP^{3,4}

ANTISEPTIC TREATMENT – OPTIMAL EFFICACY

Antiseptic oral rinses (0,12-0,2% chlorhexidine) + mechanical brushing are associated with reduced VAP incidence^{3,5}

MUCOSAL PROTECTION & POSITIONING

Oral mucosal hydration + semi-recumbent positioning (30-45°) reduce aspiration risk and bacterial migration from the oropharynx to the lower airway⁶

*Note: Q8H is structured scheduling, not a strict guideline mandate.

B-CARE PRODUCT FEATURES



Key Components

360° accessibility soft-bristle brush • On-board liquids management • Replaceable fluid pipette • Thumb control hole • Single-use components

✓ Product Benefits

Helps to reduce VAP incidence • Minimal ICU staff training • Fast protocol implementation



Clinical Integration

Compatible with standard ICU protocols • Scheduled care intervals (Q8H brushing + rinses) • Compact kit (one-per-shift)



COMPLETE SOLUTION

THE SOLUTION: **B-CARE ORAL CARE**

Comprehensive medical device system delivering standardized oral care protocols in ICU, anesthesiology, and home care settings.

- Evidence-based protocol implementation based on clinical evidence
- Compliant with ISO 13485 and MDR regulatory requirements
- Validated for ICU, anesthesia, and home care environments across regions
- Minimal staff training with clear documentation and support

CLINICAL BENEFITS & HEALTH OUTCOMES

INFECTION REDUCTION

Evidence-based oral care protocols, including antiseptic rinses and structured brushing, are associated with reduced VAP incidence.^{3,5}

IMPROVED PATIENT OUTCOMES

These protocols are associated with shorter ICU length of stay, reduced mechanical ventilation duration, and improved survival outcomes in some studies.^{3,5}

HEALTHCARE COST EFFECTIVENESS

Prevention of VAP is linked to lower ICU resource utilization and healthcare costs.⁶

MARKET DIFFERENTIATION



Integrated oral care system



Innovative design based on clinical evidence



Simple-to-use for ICU nursing staff with minimal training requirements



Comprehensive support with staff training materials



Full regulatory compliance (CE MDR, ISO 13485)

GLOBAL MARKET OPPORTUNITY



Europe: 17,000+ hospitals with
~300,000 ICU beds, VAP
incidence 19.4%^{1,2}

North America: 6,000+ hospitals,
highest VAP prevention awareness

Asia-Pacific: Rapid ICU expansion,
growing infection prevention focus,
16% VAP incidence^{1,2}

Growing regulatory pressure for
standardized HAI prevention
protocols

Anesthesia departments and home
care expanding oral care focus
post-operatively

REGULATORY & COMPLIANCE

Medical Device Classification

Class I invasive device with respect to body orifices, applicable across ICU, anesthesia, and home care settings

ISO 13485:2016 Quality System

International quality management certification ensures safety and efficacy

CE MDR Compliance

European Union Regulation 2017/745 compliance established, pathway for other regions

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