HALYARD* CLOSED SUCTION SYSTEMS



With BALLARD* Technology



tract with pathogenic bacteria, and aspiration of

- Kollef, et al. Respiratory Care, 2005

contaminated secretions."

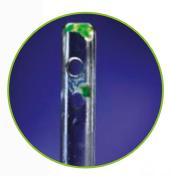
PROVEN TO PROVIDE AN 89% CLEANER CATHETER TIP.7



HALYARD* Turbo-Cleaning Closed Suction System, which features BALLARD* Technology, is the only catheter that retracts within a unique, isolated and vacuum-sealed turbulent cleaning chamber. The turbulent cleansing action results in an 89% cleaner catheter tip compared to a standard closed suction system.⁷ This reduced colonisation may help reduce risk of VAE in your ventilated patients.



HALYARD* TURBO-CLEANING CLOSED SUCTION SYSTEM cleaned in the isolated, turbulent cleaning chamber



STANDARD CLOSED SUCTION SYSTEM cleaned by usual method of squeezing saline vial to dispense

SEALED BY OUR PATENTED "PEEP SEAL" TECHNOLOGY,

the suction and saline produce turbulent cleansing action, for a cleaner catheter tip



MULTIPLE ACCESS. MULTIPLE PROCEDURES. ONE CLOSED CIRCUIT.

HALYARD* Multi-Access Port Closed Suction System features a compact rotating manifold that provides multiple ports to access the patient's airway without jeopardising integrity of the closed circuit. And a closed circuit helps you protect your patient from cross-contamination and VAE.





PACKAGE INCLUDES HALYARD* TURBO-CLEANING CLOSED SUCTION SYSTEM CATHETER
Additional replacement catheters available

ROTATING MANIFOLD LOCKS INTO PLACE WITH A CLICK for

reassurance that circuit remains sealed

CLINICIANS CAN PERFORM SUCTIONING AND OTHER PROCEDURES SUCH AS BRONCHOALVEOLAR LAVAGE, BRONCHOSCOPY, OR MDI DRUG DELIVERY while maintaining a closed vent circuit as recommended to help prevent VAE



SINGLE-USE SEAL CASSETTE maintains PEEP during insertion of sampling catheter or other devices

ALSO AVAILABLE:

HALYARD* MINI-BAL BRONCHIAL ASPIRATE SAMPLING CATHETER

Designed for use with the HALYARD* Multi-Access Port System. Insert the HALYARD* Mini-BAL Catheter through the alternate therapy port to obtain a lower respiratory tract sample without opening the ventilator circuit.

rentilator circuit.

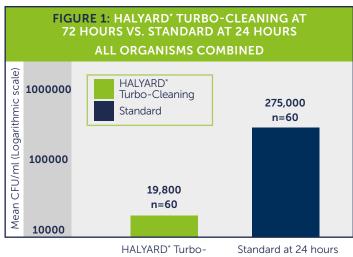
TURBULENT
CLEANING
CHAMBER for a
cleaner catheter

CLEANING
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As a global leader in VAE prevention, Halyard Health offers a comprehensive range of products, education, in-service training, and compliance programs to assist you as you develop your best-practice protocol that can help protect your patients from VAE.

HALYARD* VAE SOLUTIONS:

- Closed Suction Systems
- Bronchial Aspirate Sampling Catheter
- Endotracheal Tubes
- Oral Care Solutions



HALYARD* Turbo- Standard at 24 hours
Cleaning at 72 hours

FIGURE 1: HALYARD* Turbo-Cleaning Closed Suction Systems, at 72 hours, show over an (89%) reduction in mean catheter tip colonisation compared to the control catheters at 24 hours (p<0.001)⁷

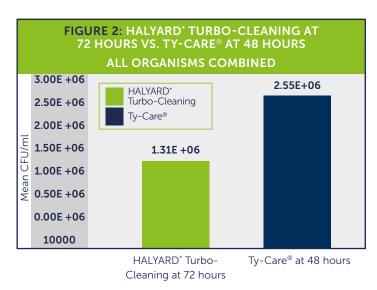


FIGURE 2: Turbo-Cleaning Closed Suction Systems at 72 hours show a (50%) reduction in mean catheter tip colonisation compared to the control Ty-Care® catheters at 48 hours.⁸

References 1. Guidelines For Preventing Healthcare Associated Pneumonia, 2003, CDC Centers For Disease Control. 2. Chastre J, Fagon J. Ventilator-Associated Pneumonia, Crit Care Med, 2002; 165:867-903. 3. Hess DR, Kallstrom TJ, Mottram CD, Myers TR, Sorenson HM, Vines DL; American Association for Respiratory Care. Care of the ventilator circuit and its relation to ventilator-associated pneumonia. Respir Care. 2003 Sep;48(9):869-79. 4. Maggiore SM, Lellouche F, Pigeot J, Taille S, Deye N, Durrmeyer X, Richard JC, Mancebo J, Lemaire F, Brochard L. Prevention of endotracheal suctioning-induced alveolar derecruitment in acute lung injury. Am J Respir Crit Care Med. 2003 May 1;167(9):1215-24. 5. Freytag CC, Thies FL, Konig W, Welte T. Infection, Clinical and Epidemiological Society, 31-2003-No. 1. 6. Kollef, MH, Prentice D, Shapiro SD, Fraser VJ, Silver P, Trovillion E, Weilitz P, Von Harz B, St. John R., Mechanical Ventilationwith or without Daily Changes of In-Line Suction Catheters, Am J Respir Crit Care Med., Volume 156, Number 2, August 1997,466-472. 7. Compared to Ballard* TrachCare* 24-hour closed suction systems. Ballard* Critical Care Products Trach Care* 72Microbiology Report, Nelson laboratories Final Reports, Laboratory Numbers 18343, 163901.1. 8. Compared to Ty-Care® Catheter at 48 hours. Trach Care* 72 versus Ty-Care® Microbiology Report Sales Sheet.



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