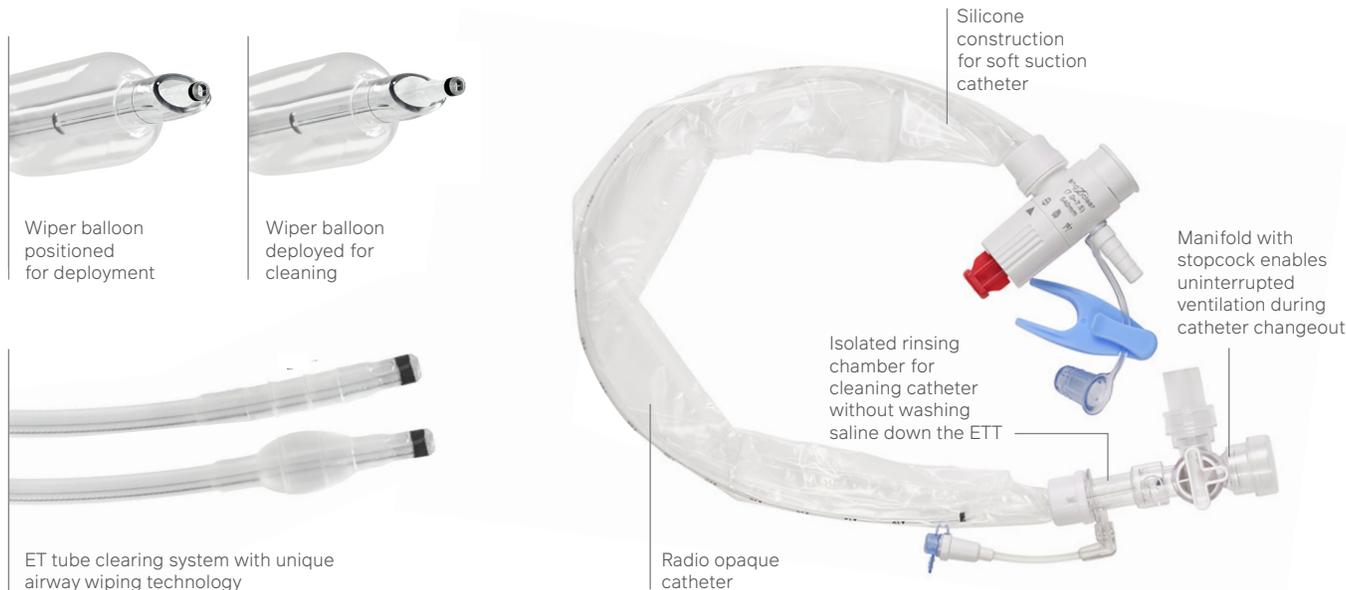


BALLARD LIBERATOR® ET TUBE CLEARING SYSTEM

SINGLE PATIENT USE | DISPOSABLE | STERILE

The Ballard Liberator® ET Tube Clearing System clears the endotracheal tube of tenacious secretions and biofilm, giving the patient an improved opportunity to pass their spontaneous breathing trial (SBT) by significantly reducing airway resistance and work of breathing, allowing the patient to be liberated from the vent sooner.¹⁻⁶



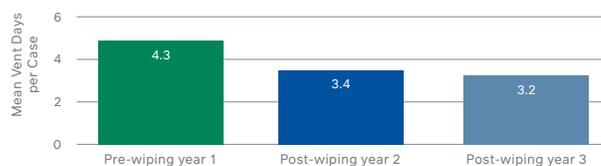
BALLARD LIBERATOR® ET TUBE CLEARING SYSTEM

ITEM	DESCRIPTION	PK
01-EC-254-1201	Ballard Liberator ET Tube Clearing System with Manifold, 7.0 – 7.5, 12 Fr	10
01-EC-254-1205	Ballard Liberator ET Tube Clearing System without Manifold, 7.0 – 7.5, 12 Fr	10
01-EC-256-1201	Ballard Liberator ET Tube Clearing System with Manifold, 8.0 – 8.5, 12 Fr	10
01-EC-256-1205	Ballard Liberator ET Tube Clearing System without Manifold, 8.0 – 8.5, 12 Fr	10
01-EC-459-1201	Ballard Liberator Closed Suction System with Manifold, 12 Fr	10
01-EC-459-1205	Ballard Liberator Closed Suction System without Manifold, 12 Fr	10
01-EC-459-1401	Ballard Liberator Closed Suction System with Manifold, 14 Fr	10
01-EC-459-1405	Ballard Liberator Closed Suction System without Manifold, 14 Fr	10
01-EC-200-2200	Ballard Liberator Replacement Manifold	10
01-EC-200-2205	Ballard Liberator Adapter for Bronch/BAL	10

FEATURED FUNCTIONALITY

- Clears the ETT of tenacious secretions and biofilm¹
- Reduces airway resistance and work of breathing⁴
- Restores the ETT to nominal weaning conditions¹
- Gives patient an improved opportunity to pass their SBT²⁻⁴
- Can be used for 72 hours
- Available Sizes: 7.0 – 7.5 mm or 8.0 – 8.5 mm models
- Manifold compatible with Ballard Liberator Closed Suction Catheter, and Ballard Liberator Adapter for Bronch/BAL

Comparison of Weaning Trial Efficacy with and without ET Tube Clearing¹.



Study objective: Compare the effectiveness of removing adherent endotracheal tube secretions prior to weaning trials, compared to the effectiveness of routine suctioning alone prior to weaning trials. **Design:** Three-year retrospective study of all adult patients, age 18 or older, admitted to the Intensive Care Unit who were on the ventilator greater than 24 hours. 583 cases were reviewed on year one, 516 on year two, and 662 on year three. **Results:** The removal of adherent endotracheal tube secretions prior to weaning trials decreased average ventilator days by up to a day.

References: 1. Wicker B, Schofield L, Salem G. A Five Year Study to Evaluate Cleaning Endotracheal Tube Prior to Weaning Trials. AARC Annual Meeting (Indianapolis, IN) October 4-7, 2017. 2. Schofield L, et al. Comparison of Two Endotracheal Tube Cleaning Devices in Reducing Airway Resistance for the Mechanically Ventilated Patient. Poster, AARC (Tampa, FL) November 9, 2015. 3. Mietto C, et al. High-Resolution Computer Tomography in Assessing Endotracheal Tube Obstruction. Poster, SCCM Annual Meeting (San Juan, PR) January 19-23, 2013. 4. Schofield L. The endClear® Liberator® Cleaning Device in Decreasing Airway Resistance. AARC Annual Meeting (Indianapolis, IN) October 4-7, 2017. 5. Wilson et al. Increases in Endotracheal Tube Resistance are Unpredictable Relative to Duration of Intubation. Chest. 2009. 6. Schofield L, Saur G. The Use of the endClear Catheter Device to Improve Ventilator Weaning. Chest 2013; 144:64A. 7. Thomas JG, Motlagh HM, Waters C, et al. Quantifying the benefit of an optically directed endotracheal tube clearing device using bioluminescent bacteria. ASM Poster 752/053.