



Endotracheal Tube

For prevention of healthcare associated infections



Increased patient safety with unique technology

Infections of the respiratory tract are serious healthcare associated infections (HAI) that afflict patients using certain medical devices, such as endotracheal tubes (ET tube or ETT).

Despite a limited and relatively short but necessary life-sustaining treatment with an ETT, many ICU patients develop an infection in the respiratory tract – Ventilator Associated Pneumonia (VAP). These infections can lead to serious complications causing patient suffering as well as increased mortality and healthcare costs. In addition, many of these infections are treated with antibiotics, which increase the risk of emergence and spread of multi-resistant bacteria.

To address these problems, Bactiguard has developed the BIP Endotracheal Tube with a coating that reduces the risk of bacterial adhesion and colonization.

Bactiguard® Benefits

In close collaboration with health-care providers Bactiguard's unique technology and know-how provide solutions that quickly and effectively reduce the risk of infection, which leads to:

- Increased patient safety
- Reduced use of antibiotics
- Reduced healthcare costs

Usage

The BIP Endotracheal Tube is indicated for use in airway management by oral or nasal intubation of the trachea. It is used to secure an open airway during anaesthesia or where intubation is necessary as part of standard medical care.

Material

The BIP Endotracheal Tube is made of PVC and coated with Bactiguard®.

BIP – Bactiguard Infection Protection

Bactiguard Infection Protection (BIP) is an extremely thin coating that is permanently bound to medical devices. The coating consists of the noble metals gold, palladium and silver. It's only a few millionths of a millimeter thin and remains on the product throughout its lifecycle. The unique mechanism of action reduces the adhesion of bacteria to a Bactiguard® coated surface. This occurs without any pharmacological or toxic effect, and is an important component in the prevention of HAI and the reduction of antibiotic use.

Bactiguard® – Proven effective

Bactiguard® coated products have been used in a large number of clinical studies (1995–2011) involving over 80,000 patients. The technology has proven to reduce the occurrence of bacteria by up to 73 percent^{1,2} and is very tissue friendly. Bactiguard® coated urinary catheters have been used clinically on over 100 million patients with no reported adverse events referable to the coating. Studies also show that the coating does not lead to increased bacterial resistance³. The BIP ETT has been showed to effectively reduce bacterial adhesion to the device by over 99 percent in microbiological in vitro studies⁴.

Environment

The Bactiguard® coating is environmentally friendly and needs no special procedures for handling, use or disposal and should be handled equally to non-coated products.

References

- Schumm K et al., Cochrane Database of Systematic Reviews 2008, Issue 2. Art. No.: CD004013.
- Stenzelius K et al., Scand J Urol Nephrol. 2011 Sep;45(4):258-64.
- Rupp MD, et al., Am J Infect Control. 2004 Dec;32(8):445-50.
- Data on file.

Product range BIP Endotracheal Tubes

Article number	Article	ID (mm)	OD (mm)	Cuff diam. (mm)	Length (mm)
311003010	Oral/Nasal with cuff	3,0	4,2	12	165
311003510	Oral/Nasal with cuff	3,5	4,9	12	185
311004010	Oral/Nasal with cuff	4,0	5,5	14	210
311004510	Oral/Nasal with cuff	4,5	6,2	14	225
311005010	Oral/Nasal with cuff	5,0	6,9	17	245
311005510	Oral/Nasal with cuff	5,5	7,5	17	275
311006010	Oral/Nasal with cuff	6,0	8,2	20	285
311006510	Oral/Nasal with cuff	6,5	8,7	20	295
311007010	Oral/Nasal with cuff	7,0	9,3	25	310
311007510	Oral/Nasal with cuff	7,5	10,0	25	315
311008010	Oral/Nasal with cuff	8,0	10,7	26	330
311008510	Oral/Nasal with cuff	8,5	11,3	26	330
311009010	Oral/Nasal with cuff	9,0	12,0	28	330
311009510	Oral/Nasal with cuff	9,5	12,7	28	330
311010010	Oral/Nasal with cuff	10,0	13,3	28	330

The products are CE marked according to Medical Device Directive 93/42/EEC



- Sterilization and storage; see packaging.
- Department pack = 10 pcs. Transport pack = 10×10 pcs.
- Size department pack (10×10) W×H×D: 380×155×100 mm

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