



Medtronic

XOMED

Activent[®]

Antimicrobial Ventilation Tubes



Available in silicone and fluoroplastic

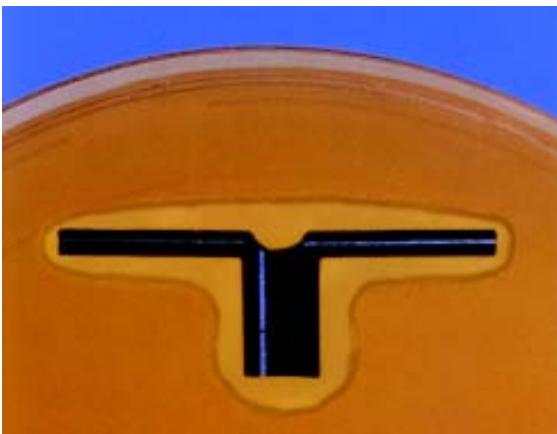
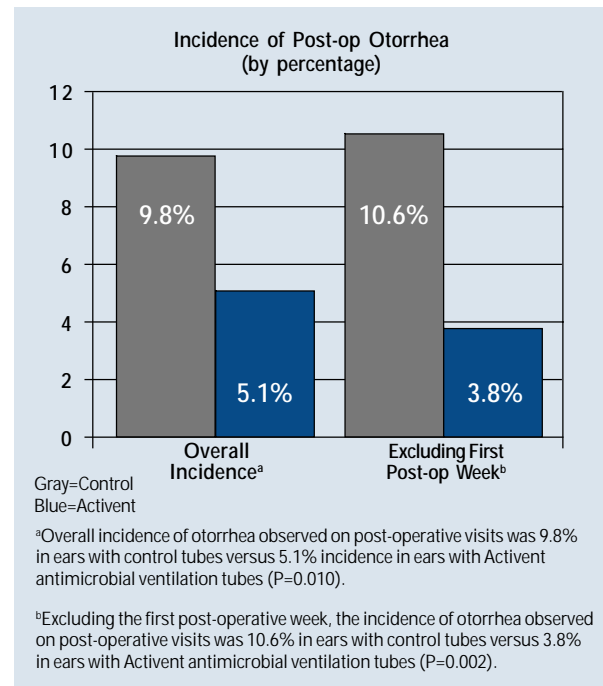


An innovative advance

Activent® antimicrobial ventilation tubes represent a remarkable advance in tympanostomy tube technology. For the first time, ventilation tubes are available that actually inhibit growth of bacteria which may contribute to secondary infections and post-operative otorrhea.

Made of silver oxide-impregnated silicone or fluoroplastic, Activent antimicrobial ventilation tubes have a proven bacteriocidal/bacteriostatic effect. *In vitro* tests show a clear zone of bacterial inhibition around Activent antimicrobial ventilation tubes on plates inoculated with both a wide spectrum of bacteria and ones common in middle ear infections. No zone is present with conventional tubes.¹

Activent antimicrobial tubes: an innovative advance in tympanostomy tube science with documented patient benefit. Activent antimicrobial ventilation tubes are available in silicone or fluoroplastic, in a variety of short and long-term styles to meet patient needs.



In vitro tests show a clear zone of bacterial inhibition around the Activent antimicrobial ventilation tube.¹

in tympanostomy tubes

Demonstrated effective in reducing post-op otorrhea^{2,3}

Clinical data show a significant reduction in the incidence of post-operative otorrhea in ears implanted with Activent antimicrobial ventilation tubes compared with conventional tubes.

In a double-blind multicenter trial, the incidence of post-op otorrhea was almost halved for ears implanted with Activent antimicrobial ventilation tubes, as compared with ordinary tubes.² Excluding the first post-operative week, the difference is even more striking — there was almost three times the incidence of post-op otorrhea with conventional tubes as compared with Activent antimicrobial ventilation tubes.



Reduced incidence of post-op otorrhea could mean more benefits for him.

Antimicrobial zones of inhibition: Activent from Medtronic Xomed (black) vs. Smith & Nephew's Ultrasil (blue) on TSA plates



Confluent inoculations of *Pseudomonas aeruginola* ATCC 27853



Confluent inoculations of *Staphylococcus aureus* ATCC 25923 and *Bacillus subtilis*



¹Independent laboratory results on file with Medtronic Xomed.

²Chole, Richard A., MD, PhD, and Hubbell, Richard N., MD, "Antimicrobial Activity of Silastic Tympanostomy Tubes Impregnated with Silver Oxide: A Double-blind Randomized Multicenter Trial," Archives of Otolaryngology - Head and Neck Surgery, 1995; Vol. 121, pp562-565.

³Gourin, Christine G., MD, and Hubbell, Richard N., MD, "Otorrhea After Insertion of Silver Oxide-impregnated Silastic Tympanostomy Tubes," Archives of Otolaryngology - Head and Neck Surgery, 1999; Vol. 125, pp446-450.

silicone Activent

fluoroplastic Activent

	Armstrong Beveled Grommet Inner diameter: 1.14 Product #10-26055 Qty: 5/box Product #10-46055 Qty: 5 pairs/box		Armstrong Beveled Grommet Inner diameter: 1.14 Inner flange diameter: 3.5 Product #10-30030 Qty: 5/box
	Armstrong Beveled Straight Shanks Inner diameter: 1.14 Length: 7 Product #10-26140 Qty: 5/box		Modified Armstrong Beveled Grommet Inner diameter: 1.14 Inner flange diameter: 3.5 Product #10-30170 Qty: 5/box
	Baxter Beveled Button Inner diameter: 1.27 Length: 2.1 Product #2663-1 Qty: 5/box		Armstrong V Tube Inner diameter: 1.14 Length: 4.5 Product #10-36121 Qty: 5/box
	Donaldson Type Inner diameter: 1.14 Qty: 5/box Product #10-26020 Qty: 5 pairs/box Product #10-46020		Baxter Beveled Button Inner diameter: 1.27 Length: 2.1 Product #3461-1 Qty: 5/box
	Goode T-Grommet Inner diameter: 1.27 Inner flange width: 8.5 Product #10-26011 Qty: 5/box		Donaldson Type Inner diameter: 1.14 Inner flange diameter: 2.3 Product #10-33000 Qty: 5/box
	Goode T-Tube® Inner diameter: 1.14 Length: 12.0 Product #10-26010 Inner flange width: 9.5 Qty: 5/box		Moretz Tab Tube Inner diameter: 1.27 Product #10-36177 Qty: 5/box
	Goode Modified T-Tube Inner diameter: 1.27 Length: 4.5 Product #10-26040 Inner flange width: 9.5 Qty: 5/box		Pediatric Ventilation Tube Inner diameter: 0.76 Inner flange diameter: 2.0 Product #10-36159 Qty: 5/box
	Paparella Type 1 & 2 with Notch & Tab Product #10-26001 Inner diameter: 1.14 Qty: 5/box Product #10-26045 Inner diameter: 1.52 Qty: 5/box		Plain Straight Shank Product #10-36165 Inner diameter: 0.89 Product #10-38050 Inner diameter: 1.14 Length: 7.0 Qty: 5/box
	Paparella Type Inner diameter: 1.14 Inner flange diameter: 2.4 Product #10-46001 Qty: 5 pairs/box		Pope Beveled Grommet Inner diameter: 1.14 Inner flange diameter: 3.6 Product #10-35004 Qty: 5/box
	Sheehy Type Inner diameter: 1.27 Inner flange diameter: 2.9 Product #10-26145 Qty: 5/box Product #10-26146 Qty: 50/box Product #10-46145 Qty: 5 pairs/box		Reuter Bobbin Inner diameter: 1.02 Qty: 5/box (without holes) Product #10-36162 Inner diameter: 1.14 Qty: 5/box (with holes) Product #10-37000 Product #10-37005 Qty: 5/box (without holes)
	Shepard Grommet with Tail Product #10-28025 Qty: 5/box Product #10-28026 Qty: 50/box Product #10-40007 Qty: 5 pairs/box		Shah Type Inner diameter: 1.27 Product #10-38030 Qty: 5/box
	Touma Beveled T-Grommet Inner diameter: 1.27 Inner flange width: 5.0 Product #10-26014 Qty: 5/box		Sheehy Type Inner diameter: 1.27 Product #10-38040 Qty: 5/box
	Touma T-Type Grommet Inner diameter: 1.14 Inner flange width: 5.0 Product #10-26012 Qty: 5/box		Shepard Grommet with Wire Inner diameter: 1.14 Inner flange diameter: 2.4 Product #10-38012 Qty: 5/box
	Umbrella Tube Inner diameter: 1.02 Length: 2.2 Product #10-26030 Qty: 5/box		



Medtronic
XOMED

Medtronic Xomed Headquarters
6743 Southpoint Drive North
Jacksonville, FL 32216
USA
Internet: www.xomed.com
Toll free: 800-874-5797
FAX: 800-678-3995

International Telephone Numbers
Australia 61-2-9879-5999
Benelux 31-45-566-8000
Canada 800-268-5346
China 86-21-50800998
France 33-470-679800

Germany 49-211-5293246
Japan 81-44-540-6359
UK 44-1454-619555
USA 904-296-9600