

NeoZoline™

Single-Use ENT Products



MEDICAL
SPECIALTIES
AUSTRALASIA

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Introduction

Adept Medical Limited was established in 2003 as a medical manufacturing company in Auckland, New Zealand and shares its premises with sister company Adept Limited - an award-winning design and manufacturing company operating in the plastics industry for over 45 years. Together, they develop pioneering and innovative new products in partnership with medical professionals.

With a fully integrated design to manufacturing process following the highest of internationally recognised standards, industry leading designers and engineers drive the development of new products to be manufactured under an ISO 13485 and MDD93/42 EEC certified quality management system that meets the requirements of GMP and FDA QSR.

Sterile products are manufactured in the company's Grade C class cleanroom.

Adept Medical is proud to be a fully owned New Zealand company with a firm commitment to patient health and wellbeing. Employees are dedicated to creating niche products that have a positive impact on both clinicians and patients, and strive to ensure the provision of quality, medically necessary solutions.

NeoZoline™ ENT products are designed with the surgeon and patient in mind. By maintaining close contact with surgeons, distribution partners and industry specialists, Adept Medical is able to adapt and enhance the NeoZoline™ product range and service.

NeoZoline™ ENT products are supplied worldwide through a network of independent medical and surgical distribution companies.

If you would like more information on Adept Medical Limited and further product ranges, please visit: **www.adeptmedical.co.nz**










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Otological Ventilation Tubes

Also known as Tympanostomy Tubes, Ear Tubes and Grommets, they are used in the treatment of Otitis Media. Our extensive range includes fluoroplastic and silicone tubes supplied in our easy to use dispenser.


All tubes are supplied sterile in an ergonomic case designed to ensure the tube stays secure. Are available as singles or doubles.
All products are supplied sterile and individually pouched.

Code	Internal Diameter	Inner Flange Diameter	Outer Flange Diameter	Inter Flange Distance	Length	Feature	Material
							
							
Armstrong							
NZ3121	1.14	2.5	2.5	-	3.8	White	Fluoroplastic
NZ3122	1.14	2.5	2.5	-	3.8	Tail	Fluoroplastic
							
							
Modified Armstrong							
NZ3123	1.14	2.5	2.5	-	2.3	White	Fluoroplastic
NZ3124	1.14	2.5	2.5	-	2.3	Tail	Fluoroplastic
							
Bevel Bobbin							
NZ3141	1.14	2.8	2.8	0.7	1.7	White	Fluoroplastic
							
Straight Tube							
NZ3151	1.14	2.7	1.55	-	7.25	White	Fluoroplastic
							
Collar Button							
NZ3211	1.14	2.6	2.6	1.05	1.65	White	Fluoroplastic
NZ3211Blue	1.14	2.6	2.6	1.05	1.65	Blue	Fluoroplastic
NZ3212	1.14	2.6	2.6	1.05	1.65	Tail	Fluoroplastic
NZ3111	1.27	3.0	3.0	1.55	2.15	White	Fluoroplastic
NZ3112	1.27	3.0	3.0	1.55	2.15	Tail	Fluoroplastic

Otological Ventilation Tubes

Code	Internal Diameter	Inner Flange Diameter	Outer Flange Diameter	Inter Flange Distance	Length	Feature	Material
							
Shepard							
NZ3213	1.14	2.4	2.4	-	2.2	White	Fluoroplastic
NZ3213Blue	1.14	2.4	2.4	-	2.2	Blue	Fluoroplastic
NZ3214	1.14	2.4	2.4	-	2.2	Tail	Fluoroplastic
							
Shah and Mini Shah							
NZ3223	0.76	2.2 *	1.5	-	1.5	White	Fluoroplastic
NZ3223Blue	0.76	2.2 *	1.5	-	1.5	Blue	Fluoroplastic
NZ3226	0.76	2.2 *	1.5	-	1.5	Tail	Fluoroplastic
NZ3224	1.14	3.4 *	2.3	-	2.4	White	Fluoroplastic
NZ3227	1.14	3.4 *	2.3	-	2.4	Tail	Fluoroplastic
*Maximum external flange dimensions							

T-Tube

							
NZ3306	1.3	8.0	1.7	-	6.0	Blue	Silicone
NZ3309	1.3	8.0	1.7	-	9.0	Blue	Silicone
NZ3312	1.3	8.0	1.7	-	12.0	Blue	Silicone

Donaldson

							
NZ3321	1.1	2.3	2.3	1.0	2.2	Blue	Silicone

Otological Display Case

The Otological Ventilation Tube Display Case can be used for display purposes for doctors showcasing Adept Medical's NeoZoline™ Otological Ventilation Tube Range. Educating the patient or their family members on the procedure they are having helps to ease apprehension.

The display case comes with our grommets securely captured.







Code	Description	Size	Quantity
NZM001	NeoZoline grommet range	92mm x 54mm x 8mm	1 Case

Myringotomy Kits

Our all-in-one procedure packs contain sterilised, easy to use, single-use instruments that are economically packaged to remove the possibility of cross patient contamination and are priced to save on cleaning and assembly costs. All products are supplied sterile and individually pouched.

- Easy to use and set up.
- High-quality single-use instruments.
- Ready to use.
- Sterilised by ETO gas.

NZ3246-5 Myringotomy Kit		5 / Pack
1 x	Myringotomy Knife	
1 x	Jobson Horne Probe	
1 x	Rosen Inserter	
2 x	Bent Suction Tubes (16G & 20G)	
1 x	Suction Controller	
3 x	Specula (4mm, 5mm, 6mm)	
NZ3248B-5 Myringotomy Kit - 7mm Jaw		5 / Pack
1 x	Myringotomy Knife	
1 x	Jobson Horne Probe	
1 x	Forceps - Stainless Steel, 7mm Jaw	
1 x	Rosen Inserter	
2 x	Bent Suction Tubes (16G & 20G)	
1 x	Suction Controller	
3 x	Specula (4mm, 5mm, 6mm)	
NZ3270-5 Myringotomy Kit - 3.5mm Jaw		5 / Pack
1 x	Myringotomy Knife	
1 x	Jobson Horne Probe	
1 x	Forceps - Stainless Steel, 3.5mm Jaw	
1 x	Rosen Inserter	
2 x	Bent Suction Tubes (16G & 20G)	
1 x	Suction Controller	
3 x	Specula (4mm, 5mm, 6mm)	
NZ3271B-5 Myringotomy Kit Paediatric		5 / Pack
1 x	Myringotomy Knife	
1 x	Jobson Horne Probe, Oval	
1 x	Ultra Fine Forceps - Stainless Steel, 3.5mm Jaw	
1 x	Rosen Inserter	
2 x	Bent Suction Tubes (16G & 18G)	
1 x	Suction Controller	
3 x	Ear Specula (3mm, 4mm, 5mm)	

Otological Instruments

A comprehensive range of single-use myringotomy instruments for surgical theatres and clinics.

NeoZoline™ offers innovative cerumen management products for hospital, primary care or audiology clinic use. Our single-use products perform better, are safer and more cost-efficient than traditional metal instruments.

CERUMEN HOOK

Unique single-use Cerumen Hook allows ease of loosening hard cerumen (ear wax) and other obstacles from the ear canal.

- Optimised hook geometry gives maximum leverage.
- Reduced patient trauma due to smooth edges.
- Moulded from carbon fibre reinforced nylon for strength and rigidity, resulting in a slender and strong single-use version of the traditional metal instrument.



Code	Description	Material	Quantity
NZ3441-100	Cerumen Hook, Non-Sterile	Carbon Fibre Filled Nylon	100 / Pack

JOBSON HORNE PROBE - EAR CURETTE

Designed to allow gentle and easy extraction of loosened cerumen (ear wax) from the ear canal.

- Moulded from carbon fibre reinforced nylon for strength, with minimal visual occlusion.
- Optimally angled for safe and effective removal of loosened cerumen (ear wax).
- Probe is designed as a dual purpose instrument with a curette loop at one end and a threaded section at the other to secure wrapped cotton wool.



Code	Description	Loop Diameter	Material	Quantity
NZ3431-100	Jobson Horne Probe, Non-Sterile	3 mm	Carbon Fibre Filled Nylon	100 / Pack
NZ3431-20S	Jobson Horne Probe, Sterile *	3 mm	Carbon Fibre Filled Nylon	20 / Pack
NZ3432-100	Jobson Horne Probe - Oval, Non-Sterile	2.5 mm	Carbon Fibre Filled Nylon	100 / Pack
NZ3432-20S	Jobson Horne Probe - Oval, Sterile	2.5 mm	Carbon Fibre Filled Nylon	20 / Pack

ROSEN INSERTER

- Optimised hook geometry gives maximum leverage.
- Reduced patient trauma due to smooth edges.
- Moulded from carbon fibre reinforced nylon for strength and rigidity, resulting in a slender and strong single-use version of the traditional metal instrument.



Code	Description	Material	Quantity
NZ3461-100	Rosen Inserter, Non-Sterile	Carbon Fibre Filled Nylon	100 / Pack

MYRINGOTOMY KNIFE

NeoZoline™ Myringotomy Knife is used to pierce and incise the tympanic membrane. The blade is sharpened and angled to aid incision.

- Raised area on handle for touch orientation.
- Bendable shaft for ease of use, versatility and prevents obstruction of the optic axis.
- Made of medical grade stainless steel and polypropylene, making it compliant with ISO 10993.



Code	Description	Length	Material	Quantity
NZ3245-10	Myringotomy Knife - Lancet, Sterile *	157mm	Stainless Steel & Polypropylene	10 / Pack

Otological Instruments

MICRO EAR SUCTION TUBES

Suction Tubes for suction of fluid and other media from the ear.

- Suction Tube has colour coded hub for ease of tube size identification.
- Cost-efficient and contamination risk-free alternative to reusable versions.
- Easy to use.
- Bent to an optimal angle.



Code	Description	OD	Colour	Quantity
NZ4254Bent	Suction Tube 14 Gauge Bent, Sterile *	2.1 mm	Green	20 / Pack
NZ4250Bent	Suction Tube 16 Gauge Bent, Sterile *	1.6 mm	White	20 / Pack
NZ4251Bent	Suction Tube 18 Gauge Bent, Sterile *	1.2 mm	Pink	20 / Pack
NZ4252Bent	Suction Tube 20 Gauge Bent, Sterile *	0.9 mm	Yellow	20 / Pack
NZ4253Bent	Suction Tube 22 Gauge Bent, Sterile *	0.7 mm	Grey	20 / Pack
NZ4255Bent	Suction Tube 24 Gauge Bent, Sterile *	0.5 mm	Purple	20 / Pack
NZ5254Bent	Suction Tube 14 Gauge Bent 100 Pack, Non-Sterile	2.1 mm	Green	100 / Pack
NZ5250Bent	Suction Tube 16 Gauge Bent 100 Pack, Non-Sterile	1.6 mm	White	100 / Pack
NZ5251Bent	Suction Tube 18 Gauge Bent 100 Pack, Non-Sterile	1.2 mm	Pink	100 / Pack
NZ5252Bent	Suction Tube 20 Gauge Bent 100 Pack, Non-Sterile	0.9 mm	Yellow	100 / Pack
NZ5253Bent	Suction Tube 22 Gauge Bent 100 Pack, Non-Sterile	0.7 mm	Grey	100 / Pack
NZ5255Bent	Suction Tube 24 Gauge Bent 100 Pack, Non-Sterile	0.5 mm	Purple	100 / Pack

MICRO EAR SUCTION TUBE AND CONTROLLER PACKS

Suction Controller governs level of suction through a thumb vent mechanism.

- Colour coded hubs for easy identification of tube size
- Easy to use.
- Easy to assemble.
- Bent to an optimal angle.
- Pack contains tube and controller.



Code	Description	OD	Colour	Quantity
NZ3254Bent	Suction Tube 14 Gauge Bent, Sterile *	2.1 mm	Green	10 / Pack
NZ3250Bent	Suction Tube 16 Gauge Bent, Sterile *	1.6 mm	White	10 / Pack
NZ3251Bent	Suction Tube 18 Gauge Bent, Sterile *	1.2 mm	Pink	10 / Pack
NZ3252Bent	Suction Tube 20 Gauge Bent, Sterile *	0.9 mm	Yellow	10 / Pack
NZ3253Bent	Suction Tube 22 Gauge Bent, Sterile *	0.7 mm	Grey	10 / Pack
NZ3255Bent	Suction Tube 24 Gauge Bent, Sterile *	0.5 mm	Purple	10 / Pack

* Individually pouched – per pack.

Otological Instruments

SUCTION CONTROLLER

The Suction Controller governs the level of suction through a thumb vent mechanism.

- Designed to fit NeoZoline™ suction tubes.
- Easy to use.



Code	Description	Colour	Length	Material	Qty
NZ3238-100	Suction Controller, Non-Sterile	Black	39 mm	ABS	100 / Pack
NZ3238S	Suction Controller, Sterile *	Black	39 mm	ABS	20 / Pack

EAR SPECULA

Advanced design provides maximum patient comfort and superior operational vision.

- Matte finish and internal ridges reduce glare and reflection on the internal surface of the speculum from the microscope light.
- Six medial end sizes are available in non-sterile polyethylene.
- Slightly oval in shape to conform to the ear canal.
- Soft and flexible material to aid patient comfort.
- Serrated lateral end to aid finger grip.



Code	Description	Material	Quantity
NZ3235-5	Ear Specula 10mm, Non-Sterile	Polyethylene	5 / Pack
NZ3234-5	Ear Specula 8mm, Non-Sterile	Polyethylene	5 / Pack
NZ3230-5	Ear Specula 6mm, Non-Sterile	Polyethylene	5 / Pack
NZ3231-5	Ear Specula 5mm, Non-Sterile	Polyethylene	5 / Pack
NZ3232-5	Ear Specula 4mm, Non-Sterile	Polyethylene	5 / Pack
NZ3233-5	Ear Specula 3mm, Non-Sterile	Polyethylene	5 / Pack
NZ3235-100	Ear Specula 10mm, Non-Sterile	Polyethylene	100 / Pack
NZ3234-100	Ear Specula 8mm, Non-Sterile	Polyethylene	100 / Pack
NZ3230-100	Ear Specula 6mm, Non-Sterile	Polyethylene	100 / Pack
NZ3231-100	Ear Specula 5mm, Non-Sterile	Polyethylene	100 / Pack
NZ3232-100	Ear Specula 4mm, Non-Sterile	Polyethylene	100 / Pack
NZ3233-100	Ear Specula 3mm, Non-Sterile	Polyethylene	100 / Pack

MICRO EAR FORCEPS

Single-use stainless steel Micro Ear Forceps.

- Made of medical grade stainless steel, making them compliant with ISO 10993.
- Tapered tip for ease of manoeuvrability in the ear canal.
- Three variations of size to suit a wide range of patients.
- Smooth opening and closing action.
- Comfortable to use.
- Ultra-Fine Micro Ear Forceps are thinner in width than the Micro Ear Forceps and have been designed for patients with a smaller ear canal, offering improved ease of access for the clinician and patient comfort.



Code	Description	Jaw Length	Length	Qty
NZ3452-10NS	Micro Ear Forceps, Stainless Steel, Non-Sterile	3.5 mm	75 mm	10 / Pack
NZ3453B-10NS	Micro Ear Forceps, Stainless Steel, Non-Sterile	7 mm	85 mm	10 / Pack
NZ3457-10NS	Ultra Fine Ear Forceps, Stainless Steel, Non-Sterile	3.5 mm	75 mm	10 / Pack

Audiology Instruments

CERUMEN HOOK

Unique single-use Cerumen Hook allows ease of loosening hard cerumen (ear wax) and other obstacles from the ear canal.

- Optimised hook geometry gives maximum leverage.
- Reduced patient trauma due to smooth edges.
- Moulded from carbon fibre reinforced nylon for strength and rigidity, resulting in a slender and strong single-use version of the traditional metal instrument.



Code	Description	Material	Quantity
NZ3441-100	Cerumen Hook, Non-Sterile	Carbon Fibre Filled Nylon	100 / Pack

JOBSON HORNE PROBE - EAR CURETTE

Designed to allow gentle and easy extraction of loosened cerumen (ear wax) from the ear canal.

- Moulded from carbon fibre reinforced nylon for strength, with minimal visual occlusion.
- Optimally angled for safe and effective removal of loosened cerumen (ear wax).
- Probe is designed as a dual purpose instrument with a curette loop at one end and a threaded section at the other to secure wrapped cotton wool.



Code	Description	Loop Diameter	Material	Quantity
NZ3431-100	Jobson Horne Probe, Non-Sterile	3 mm	Carbon Fibre Filled Nylon	100 / Pack
NZ3432-100	Jobson Horne Probe - Oval, Non-Sterile	2.5 mm	Carbon Fibre Filled Nylon	100 / Pack

MICRO EAR FORCEPS

Single-use stainless steel Micro Ear Forceps.

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- Tapered tip for ease of manoeuvrability in the ear canal.
- Three variations of size to suit a wide range of patients.
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Code	Description	Jaw Length	Length	Qty
NZ3452-10NS	Micro Ear Forceps, Stainless Steel, Non-Sterile	3.5 mm	75 mm	10 / Pack
NZ3453B-10NS	Micro Ear Forceps, Stainless Steel, Non-Sterile	7 mm	85 mm	10 / Pack
NZ3457-10NS	Ultra Fine Ear Forceps, Stainless Steel, Non-Sterile	3.5 mm	75 mm	10 / Pack

SUCTION CONTROLLER

The Suction Controller governs the level of suction through a thumb vent mechanism.

- Designed to fit NeoZoline™ suction tubes.
- Easy to use.



Code	Description	Colour	Length	Material	Qty
NZ3238-100	Suction Controller, Non-Sterile	Black	39 mm	ABS	100 / Pack

Audiology Instruments

EAR SPECULA

Advanced design provides maximum patient comfort and superior operational vision.

- Matte finish and internal ridges reduce glare and reflection on the internal surface of the speculum from the microscope light.
- Six medial end sizes are available in non-sterile polyethylene.
- Slightly oval in shape to conform to the ear canal.
- Soft and flexible material to aid patient comfort.
- Serrated lateral end to aid finger grip.



Code	Description	Material	Quantity
NZ3235-5	Ear Specula 10mm, Non-Sterile	Polyethylene	5 / Pack
NZ3234-5	Ear Specula 8mm, Non-Sterile	Polyethylene	5 / Pack
NZ3230-5	Ear Specula 6mm, Non-Sterile	Polyethylene	5 / Pack
NZ3231-5	Ear Specula 5mm, Non-Sterile	Polyethylene	5 / Pack
NZ3232-5	Ear Specula 4mm, Non-Sterile	Polyethylene	5 / Pack
NZ3233-5	Ear Specula 3mm, Non-Sterile	Polyethylene	5 / Pack
NZ3235-100	Ear Specula 10mm, Non-Sterile	Polyethylene	100 / Pack
NZ3234-100	Ear Specula 8mm, Non-Sterile	Polyethylene	100 / Pack
NZ3230-100	Ear Specula 6mm, Non-Sterile	Polyethylene	100 / Pack
NZ3231-100	Ear Specula 5mm, Non-Sterile	Polyethylene	100 / Pack
NZ3232-100	Ear Specula 4mm, Non-Sterile	Polyethylene	100 / Pack
NZ3233-100	Ear Specula 3mm, Non-Sterile	Polyethylene	100 / Pack

MICRO EAR SUCTION TUBES

Suction Tubes for suction of fluid and other media from the ear.

- Suction Tube has colour coded hub for ease of tube size identification.
- Cost-efficient and contamination risk-free alternative to reusable versions.
- Easy to use.
- Bent to an optimal angle.



Code	Description	OD	Colour	Quantity
NZ5254Bent	Suction Tube 14 Gauge Bent 100 Pack, Non-Sterile	2.1 mm	Green	100 / Pack
NZ5250Bent	Suction Tube 16 Gauge Bent 100 Pack, Non-Sterile	1.6 mm	White	100 / Pack
NZ5251Bent	Suction Tube 18 Gauge Bent 100 Pack, Non-Sterile	1.2 mm	Pink	100 / Pack
NZ5252Bent	Suction Tube 20 Gauge Bent 100 Pack, Non-Sterile	0.9 mm	Yellow	100 / Pack
NZ5253Bent	Suction Tube 22 Gauge Bent 100 Pack, Non-Sterile	0.7 mm	Grey	100 / Pack
NZ5255Bent	Suction Tube 24 Gauge Bent 100 Pack, Non-Sterile	0.5 mm	Purple	100 / Pack

Rhinology

SELF-ADHESIVE EXTERNAL NASAL SPLINT

Following Rhinoplasty procedures, the splint provides protection for the nose against trauma as well as preventing excessive soft tissue swelling which may distort nasal bone alignment.

- Light-weight aluminium which moulds to any shape of nose and can be trimmed easily to adjust size, but remains rigid once applied.
- Dorsal sponge support for patient comfort.
- Adhesive foam strips allow for easy and efficient application and removal.



Code	Description	Dimensions	Colour	Material	Qty
NZ3243_SML	Nasal Splint—External, Small, Non-Sterile	32mm x 56mm	Almond	Aluminium	20 / Pack
NZ3243	Nasal Splint—External, Medium, Non-Sterile	43mm x 62mm	Almond	Aluminium	20 / Pack
NZ3243_LGE	Nasal Splint—External, Large, Non-Sterile	55mm x 75mm	Almond	Aluminium	20 / Pack

TILLEY NASAL FORCEPS

- Manufactured from medical grade stainless steel.
- Cost-efficient and contamination risk-free alternative to reusable versions.



Code	Description	Material	Qty
NZ6610-10NS	Tilley Nasal Forcep, 140mm, Non-Sterile	Stainless Steel	10 / Pack

THUDICUM NASAL SPECULA

- Available in three blade sizes allowing for selection of speculum appropriate to the patient.
- Manufactured from medical grade stainless steel.



Code	Description	Material	Qty
NZ6812	Thudicum Nasal Specula Size 2, Non-Sterile	Stainless Steel	10 / Pack
NZ6814	Thudicum Nasal Specula Size 4, Non-Sterile	Stainless Steel	10 / Pack
NZ6816	Thudicum Nasal Specula Size 6, Non-Sterile	Stainless Steel	10 / Pack



THE BENEFITS OF SINGLE-USE NEOZOLINE™ ENT PRODUCTS OVER REUSABLE PRODUCTS

Although reusable items initially appear to be more cost-effective, research has shown that single-use devices in fact reduce costs and are more beneficial in many ways.

- The individually sterilised NeoZoline™ single-use devices have shown to have huge economic benefits over reusable devices, ranging from 28% to 50% reduction in cost. This is mainly associated with the labour involved in delivering, re-sorting, re-wrapping and re-sterilisation of reusable instruments.
- Environmental benefits – reduced re-wrapping and chemical waste.
- Easy to use - presented to support efficiency.
- Speed - all needed instruments are presented in one single-use pack, improving patient turnover.
- Correct instruments are ready and available.
- Improved patient safety as the likelihood of re-sterilisation failure is nil.
- No risk of cross patient contamination.

Based on the above, individual sterilised NeoZoline™ single-use devices make a strong contender for the healthcare facility instruments of choice.

*If you would like more detailed information on this research, please email Adept Medical at adeptmedical@adept.co.nz.

Global Reach



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