



SINCE 1991

MILA
INTERNATIONAL, INC.



Medical Instrumentation for Animals

2021 Catalog

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QR CODES INSIDE FOR VIDEOS!



MILA International is an innovative company that has developed veterinary medical products otherwise commercially unavailable. We appreciate the opportunity to serve the world's diverse veterinary community since 1991.

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Long Term Polyurethane Catheter Kits

INDICATIONS:

The Long Term MILACATH™ is indicated for venous administration of drugs or fluids, blood sampling, TPN and blood pressure monitoring. **Optional silver zirconium phosphate throughout the catheter body**, including the inner and outer surfaces of the catheter, is designed to inhibit bacteria growth without bacterial resistance. When ordering catheters with silver zirconium phosphate, please look for the 'A' at the end of the item number, indicating 'ANTIMICROBIAL', eg #LA1611-A.

RECOMMENDED INDWELL TIME:

1-30 days indwelling. The catheter is non-kinking and non-thrombogenic.

SELECT FROM THESE FEATURES TO DETERMINE ITEM NUMBER NEEDED ON PAGES 6-8:

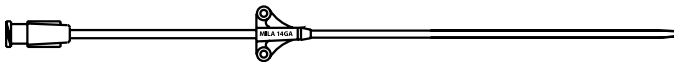
- 1) Insertion Technique - Guidewire Introduction or Peel-Away Introduction.
- 2) Animal Size - Large Animal/Equine or Small Animal/Dogs and Cats.
- 3) Number of Lumens and Length - Single, Double, Triple or Quad Lumens at various lengths.
- 4) Catheter Type - Standard or Antimicrobial.
- 5) Preferred Extensions - Pre-Attached Extension Lines or Non-Attached Extension Lines.

ALL KITS contain: Catheter, scalpel, introducer (depending on insertion technique), needle-free ports, suture wings, both curved needle with suture and straight needle with suture, drape and gauze. Those that have extensions include clamps.

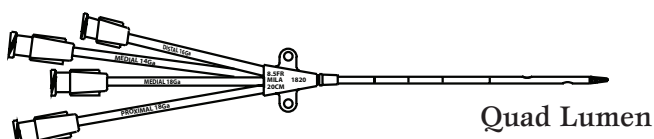
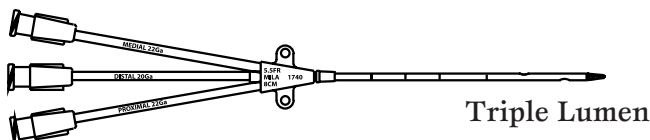
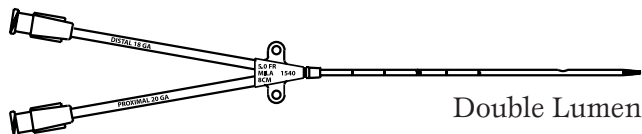
NOTE:

SMALL ANIMAL KITS include a fenestrated drape, 3-0 nylon suture with a straight needle and a curved needle. LARGE ANIMAL KITS include a larger introducer and 2-0 polypropylene suture with a straight needle and a curved needle.

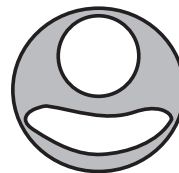
Single Lumen Catheters - Available with pre-attached or non-attached extension tube. The 14Ga catheter has a side and distal exit port.



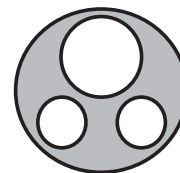
Multi-Lumen Catheters - Separate lumens with separate exit points.



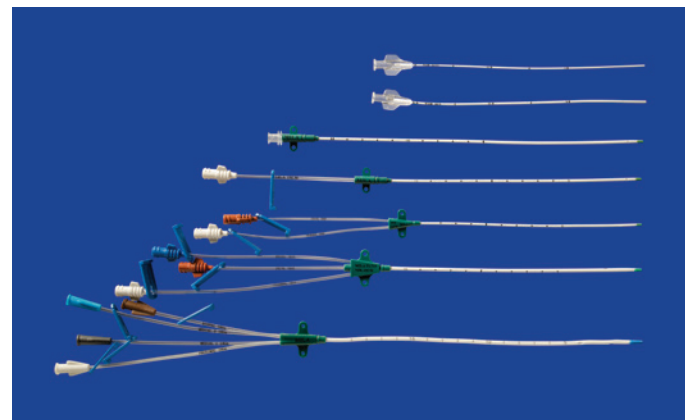
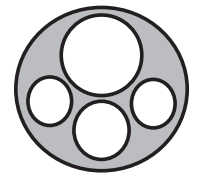
Double Lumen



Triple Lumen



Quad Lumen



GUIDEWIRE INTRODUCTION of a Long Term MILACATH®

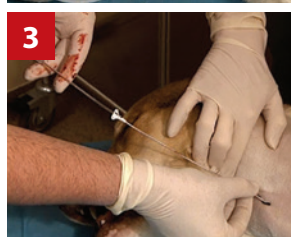


1 Photo shows introducer being inserted into vein.



2 Guidewire being advanced from housing. Once guidewire advanced to desired length, remove housing and introducer needle while holding onto the guidewire.

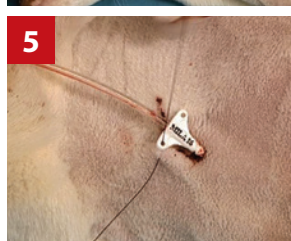
Always hold onto guidewire.



3 Slide the distal end of the catheter onto guidewire and advance until guidewire comes through the catheter hub.



4 Grasp wire above the catheter hub. Advance catheter into vein by holding catheter near insertion site and pushing into place. Remove guidewire.



5 Suture catheter individually at each wing around suture groove and toward insertion site. Also, suture the extension to the animal.



Guidewire Introduction

PEEL-AWAY INTRODUCTION of a Long Term MILACATH®



1 Hold peel-away introducer, bevel up, directly above vein with index finger firmly placed on top of stylet. Advance introducer into vessel far enough to be sure it is well seated.



2 Good flashback should be noted or blood easily drawn into syringe through stylet. Remove stylet while stabilizing outer portion of introducer. Advance long term catheter through catheter of peel-away introducer.



3 Hold catheter hub or extension set against animal. Grasp blue tabs with thumb and forefinger of both hands. Gently pull up and out to separate blue tabs. Introducer should split above the skin.

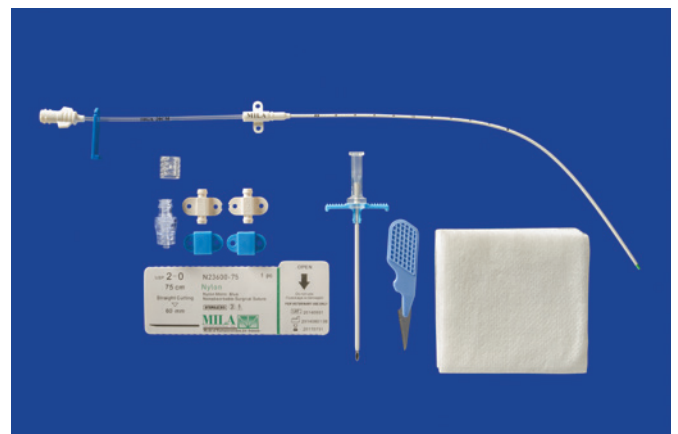


4 The catheter will back out of insertion site an inch or so during peel-away procedure but can be easily pushed back.



5 Suture catheter individually at each wing around suture groove and toward insertion site. Also, suture the extension to the animal.

Photos courtesy of Hagyard Equine Medical Institute



Peel-Away Introduction

Long Term MILACATH – Small Animal Kits using GUIDEWIRE INTRODUCTION

All SMALL ANIMAL KITS include radiopaque catheter, fenestrated drape, scalpel, introducer, guidewire, dilator, 3-0 nylon sutures with a straight needle and a curved needle, suture wing, needle-free injection port, cap and gauze. Those that have extensions include clamps.

Single Lumen

DESCRIPTION		ITEM #	PRICE
24Ga (1.7Fr) x 10cm (4in)	with integrated extension set, 22Ga catheter introducer	SA2410	\$27.00
22Ga (2Fr) x 10cm (4in)	with integrated extension set, 22Ga catheter introducer	SA2210	\$27.00
20Ga (3Fr) x 6.5cm (2.6in)	with integrated extension set, 16Ga catheter introducer	SA2006	\$27.00
20Ga (3Fr) x 12cm (5in)	with integrated extension set, 20Ga catheter introducer	SA2012	\$27.00
19Ga (3.5Fr) x 15cm (6in)	20Ga catheter introducer	SA1915	\$21.00
19Ga (3.5Fr) x 25cm (10in)	20Ga catheter introducer	SA1925	\$21.00
18Ga (4Fr) x 6.5cm (2.6in)	with integrated extension set, 16Ga catheter introducer	SA1806	\$27.00
18Ga (4Fr) x 15cm (6in)	with integrated extension set, 20Ga catheter introducer	SA1815	\$27.00
18Ga (4Fr) x 25cm (10in)	with integrated extension set, 20Ga catheter introducer	SA1825	\$27.00
16Ga (5Fr) x 9cm (3.5in)	with integrated extension set, 18Ga catheter introducer	SA1609	\$27.00
16Ga (5Fr) x 15cm (6in)	with integrated extension set, 18Ga catheter introducer	SA1615	\$27.00
16Ga (5Fr) x 20cm (8in)	with integrated extension set, 18Ga catheter introducer	SA1620	\$27.00
16Ga (5Fr) x 30cm (12in)	with integrated extension set, 18Ga catheter introducer	SA1630	\$27.00
14Ga (6Fr) x 6.5cm (2.6in)	with integrated extension set, 16Ga catheter introducer	SA1406	\$27.00
14Ga (6Fr) x 15cm (6in)	with integrated extension set, 16Ga catheter introducer	SA1415	\$27.00
14Ga (6Fr) x 20cm (8in)	with integrated extension set, 16Ga catheter introducer	SA1420	\$27.00

Double Lumen

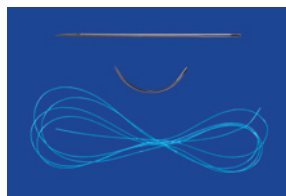
4Fr x 8cm (3.25in)	with two 22Ga lumens, 20Ga catheter introducer	SA4FD08	\$44.00
4Fr x 13cm (5.25in)	with two 22Ga lumens, 20Ga catheter introducer	SA4FD13	\$44.00
4Fr x 30cm (12in)	with two 22Ga lumens, 20Ga catheter introducer	SA4FD30	\$44.00
5Fr x 8cm (3.25in)	with a 18Ga & 20Ga lumen, 20Ga catheter introducer	SA5FD08	\$44.00
5Fr x 13cm (5.25in)	with a 18Ga & 20Ga lumen, 20Ga catheter introducer	SA5FD13	\$44.00
5Fr x 25cm (10in)	with a 18Ga & 20Ga lumen, 20Ga catheter introducer	SA5FD25	\$44.00
7Fr x 15cm (6in)	with a 14Ga & 18Ga lumen, 18Ga catheter introducer	SA7FD15	\$44.00
7Fr x 20cm (8in)	with a 14Ga & 18Ga lumen, 18Ga catheter introducer	SA7FD20	\$44.00
7Fr x 30cm (12in)	with a 14Ga & 18Ga lumen, 18Ga catheter introducer	SA7FD30	\$44.00
7Fr x 60cm (24in)	with two 16Ga lumens, 18Ga catheter introducer	SA7FD60	\$44.00

Triple Lumen

5.5Fr x 8cm (3.25in)	with one 20Ga & two 22Ga lumens, 20Ga catheter introducer	SA5FT08	\$47.00
5.5Fr x 13cm (5.25in)	with one 20Ga & two 22Ga lumens, 20Ga catheter introducer	SA5FT13	\$47.00
5.5Fr x 30cm (12in)	with one 20Ga & two 22Ga lumens, 20Ga catheter introducer	SA5FT30	\$47.00
7Fr x 15cm (6in)	with one 16Ga & two 18Ga lumens, 18Ga catheter introducer	SA7FT15	\$47.00
7Fr x 20cm (8in)	with one 16Ga & two 18Ga lumens, 18Ga catheter introducer	SA7FT20	\$47.00
7Fr x 30cm (12in)	with one 16Ga & two 18Ga lumens, 18Ga catheter introducer	SA7FT30	\$47.00
7Fr x 60cm (24in)	with one 16Ga & two 18Ga lumens, 18Ga catheter introducer	SA7FT60	\$47.00

Quadruple Lumen

8.5Fr x 20cm (8in)	with one 16Ga, one 14Ga and two 18Ga lumens, 18Ga introducer	SA8FQ20	\$49.00
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Long Term MILACATH – Large Animal Kits using GUIDEWIRE INTRODUCTION

All LARGE ANIMAL KITS include radiopaque catheter, scalpel, introducers, guidewire, dilator, 2-0 polypropylene **pink** sutures with a straight needle and a curved needle, suture wing, needle-free port, cap and gauze. Those that have extensions include clamps.

Single Lumen

DESCRIPTION		ITEM #	PRICE
16Ga (5Fr) x 11cm (4.5in)	antimicrobial catheter, choice of 18Ga/16Ga introducers	LA1611-A**	\$39.00
16Ga (5Fr) x 15cm (6in)	with integrated extension set, choice of 18Ga/16Ga introducers	LA1615**	\$27.00
16Ga (5Fr) x 15cm (6in)	antimicrobial catheter, choice of 18Ga/16Ga introducers	LA1615-A**	\$39.00
16Ga (5Fr) x 15cm (6in)	extension set, choice of 18Ga/16Ga introducers	LA1615-2P**	\$27.00
**ABOVE PRODUCTS RECOMMENDED FOR FOALS.			
16Ga (5Fr) x 20cm (8in)	with integrated extension set, 16Ga introducers	LA1620	\$27.00
16Ga (5Fr) x 20cm (8in)	antimicrobial catheter, 16Ga introducers	LA1620-A	\$39.00
16Ga (5Fr) x 20cm (8in)	extension set, 16Ga introducers	LA1620-2P	\$27.00
14Ga (6Fr) x 15cm (6in)	with integrated extension set, choice of 14Ga introducers	LA1415	\$27.00
14Ga (6Fr) x 15cm (6in)	extension set, choice of 14Ga introducers	LA1415-2P	\$27.00
14Ga (6Fr) x 20cm (8in)	with integrated extension set, choice of 14Ga introducers	LA1420	\$27.00
14Ga (6Fr) x 20cm (8in)	antimicrobial catheter, choice of 14Ga introducers	LA1420-A	\$39.00
14Ga (6Fr) x 20cm (8in)	extension set, choice of 14Ga introducers	LA1420-2P	\$27.00
12Ga (8Fr) x 20cm (8in)	with integrated extension set, choice of 14Ga introducers	LA1220	\$28.00

NEW - BOVINE KIT

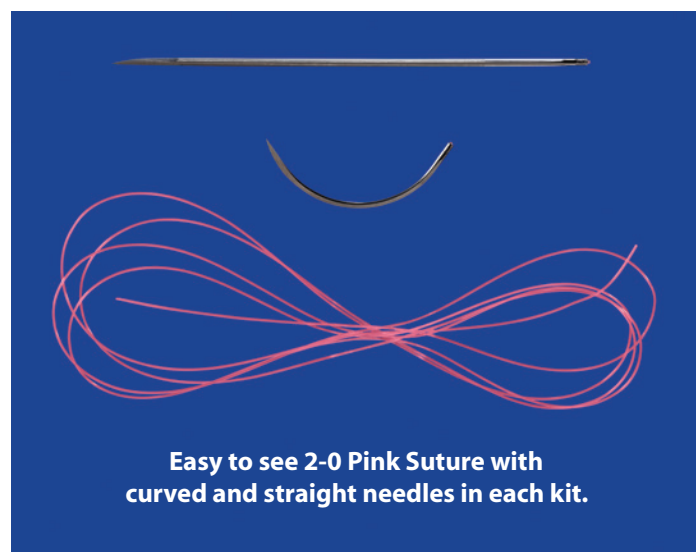
12Ga (8Fr) x 20cm (8in)	with integrated extension set, 14Ga needle introducer	B1220	\$19.00
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Double Lumen

7Fr x 15cm (6in)	with 14Ga & 18Ga lumen, choice of 16Ga/14Ga introducers	LA7FD15**	\$44.00
**ABOVE PRODUCT RECOMMENDED FOR FOALS.			
7Fr x 20cm (8in)	with 14Ga & 18Ga lumen, choice of 16Ga/14Ga introducers	LA7FD20	\$44.00

Triple Lumen

7Fr x 15cm (6in)	with one 16Ga & two 18Ga lumens, 16Ga introducer	LA7FT15	\$47.00
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Long Term MILACATH - Small and Large Animal Kits using PEEL-AWAY INTRODUCTION

All SMALL ANIMAL KITS include radiopaque catheter, drape, scalpel, peel-away introducer, 3-0 nylon sutures with a straight needle and a curved needle, suture wing, needle-free port, cap and gauze. Those that have extensions include clamps.

Small Animal Single Lumen

DESCRIPTION		ITEM #	PRICE
19Ga (3.5Fr) x 15cm (6in)	4Fr x 1.5 inch peel-away introducer	SA1915-PI	\$21.00
19Ga (3.5Fr) x 25cm (10in)	4Fr x 1.5 inch peel-away introducer	SA1925-PI	\$21.00
16Ga (5Fr) x 15cm (6in)	extension set, 5Fr x 2.5 inch peel-away introducer	SA1615-2P-PI	\$27.00
16Ga (5Fr) x 25cm (10in)	extension set, 5Fr x 2.5 inch peel-away introducer	SA1625-2P-PI	\$27.00

Small Animal Double Lumen

4Fr x 8cm (3.25in)	with two 22Ga lumens, 4Fr x 1.5 inch peel-away introducer	SA4FD08-PI	\$44.00
4Fr x 13cm (5.25in)	with two 22Ga lumens, 4Fr x 1.5 inch peel-away introducer	SA4FD13-PI	\$44.00
5Fr x 8cm (3.25in)	with a 18Ga & 20Ga lumen, 5Fr x 1.5 inch peel-away introducer	SA5FD08-PI	\$44.00
5Fr x 13cm (5.25in)	with a 18Ga & 20Ga lumen, 5Fr x 1.5 inch peel-away introducer	SA5FD13-PI	\$44.00
5Fr x 25cm (10in)	with a 18Ga & 20Ga lumen, 5Fr x 2.5 inch peel-away introducer	SA5FD25-PI	\$44.00

All LARGE ANIMAL KITS include radiopaque catheter, scalpel, peel-away introducer, 2-0 polypropylene *pink* sutures with a straight needle and a curved needle, suture wing, needle-free port, cap and gauze. Those that have extensions include clamps.

Large Animal Single Lumen

DESCRIPTION		ITEM #	PRICE
16Ga (5Fr) x 15cm (6in)	with integrated extension set, 5Fr x 1.5 inch peel-away introducer	LA1615-PI	\$27.00
16Ga (5Fr) x 20cm (8in)	with integrated extension set, 5Fr x 2.5 inch peel-away introducer	LA1620-PI	\$27.00
14Ga (6Fr) x 20cm (8in)	with integrated extension set, 6Fr x 1.5 inch peel-away introducer	LA1420-PI	\$27.00



Peel-Away Introduction Kit - Small Animal



Peel-Away Introducer



Peel-Away Introduction Kit - Large Animal

Pick & Peel Surgical Drape

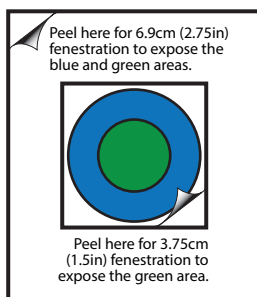
Use for maintaining a sterile field for catheter placement. Each drape allows the user to select a 3.75cm (1.5in) or 6.9cm (2.75in) fenestration. Drape size 60cm x 60cm (24in x 24in).

- Adhesive apertures.
- Sterile, impervious, translucent film.
- Provides superb translucent protection from fluids with optimal drapeability.
- Helps keep patient warm.
- Can be used for small animal DENTAL procedures. Put animal snout through the aperture.

ITEM #PPD	\$5.00
ITEM #PPD10	(10 Pack) \$40.00

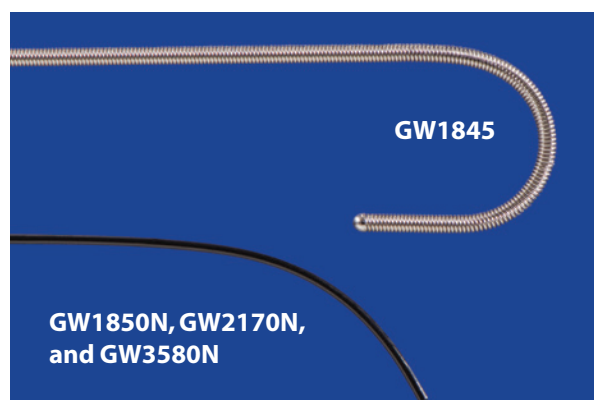


Additional drapes on page 55



Guidewires

DESCRIPTION	ITEM #	PRICE
0.018in x 45cm guidewire with one soft flexible 'J' end and one soft flexible straight end	GW1845	\$7.00
0.018in x 50cm Hydrophilic coated nitinol wire with steerable tip	GW1850N	\$25.00
0.021in x 70cm Hydrophilic coated nitinol wire with steerable tip	GW2170N	\$25.00
0.035in x 80cm Hydrophilic coated nitinol wire with steerable tip	GW3580N	\$30.00



Injection Port

- Stasis Clear Neutral Displacement Injection Port PREVENTS BLOOD REFLUX into the catheter tip when disconnecting the syringe or line.
- Needle-Free, Swabable.
- CLAMPING IS NOT REQUIRED.
- SALINE FLUSH option reduces risk, cost and time associated with Heparin use.
- Highly recommended to replace all previous style "bungs," "prn ports" and "older model injection ports."
- HIGHER FLOW RATE than previous ports.
- Used in all CVC kits.

ITEM # 8200	\$1.50
ITEM # 8099 Optional Stemless Cap	(10 Pack) \$3.75



Drum Long Line Catheter

Catheter Through Catheter Introduction Style



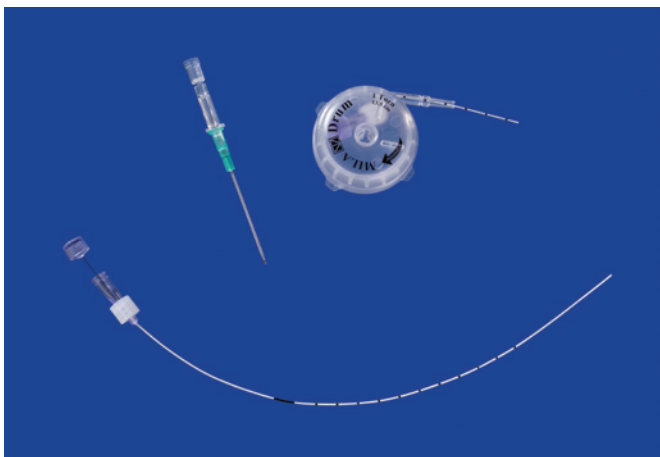
- Kit includes catheter-over-needle introducer, a long catheter with stiffening wire and a drum.
- The drum houses the long catheter and is an advancement system designed to minimize touch contamination.
- Introduction technique: Long catheter through introducer catheter.
- The INTRODUCER CATHETER REMAINS INDWELLING and the long catheter hub **locks** onto the introducer catheter hub. Since the introducer catheter remains indwelling, the long catheter can be easily replaced through the same introducer, avoiding another needle stick.
- Long catheter material is radiopaque, kink-resistant polyurethane embedded with a fluoro-polymer formula designed to aid in ease of placement.

Uses:

1. Administer vasopressor (i.e. norepinephrine) when a central line is not accessible. Feed the long catheter through the peripheral catheter. The peripheral catheter is included in the kit to ensure that its inner diameter is sufficient for a smooth introduction of the long catheter.
2. Drug administration to crashing diabetic patient.
3. Multiple blood draws.

DESCRIPTION	ITEM #	PRICE
22Ga x 20cm (8in) with 20Ga Introducer	LLD2220	\$19.00
20Ga x 20cm (8in) with 18Ga Introducer	LLD2020	\$19.00
19Ga x 25cm (10in) with 16Ga Introducer	LLD1925	\$19.00

Pick & Peel Drape (#PPD - \$5.00) recommended for sterile field, see page 9.



Long Line Catheters

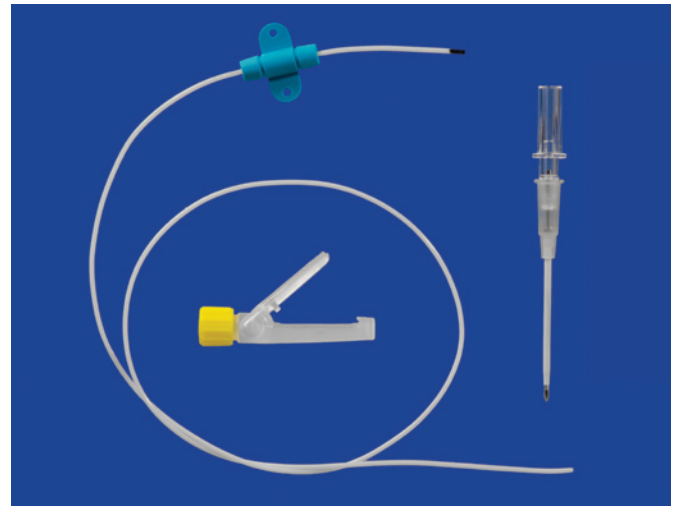
Catheter Through Catheter Introduction Style



- Long term radiopaque catheter may be inserted in any vein.
- Kink-resistant polyurethane catheter can be cut to desired length.
- Female luer lock is placed onto long catheter after insertion into vessel, after the introducer catheter has been removed.
- Moveable wing provides method of secure attachment.
- Kit includes catheter, introducer, moveable suture wing (not available in LL2425), and female luer lock adapter.

DESCRIPTION	ITEM #	PRICE
24Ga catheter adjustable up to 25cm (10in)	LL2425	\$31.00
20Ga catheter adjustable up to 45cm (18in)	LL2045	\$31.00
19Ga catheter adjustable up to 45cm (18in)	LL1945	\$19.00
19Ga catheter adjustable up to 90cm (36in)	LL1990	\$19.00

Pick & Peel Drape (#PPD - \$5.00) recommended for sterile field, see page 9.



See MILA website for link to YouTube video.



Placement of a Central Venous Catheter in the Medial Saphenous Vein

Gary D. Norsworthy, DVM, DABVP (Feline)

Alamo Feline Health Center - San Antonio, Texas

PICC - Silicone Catheter Kit

Catheter Through Peel-Away Introducer

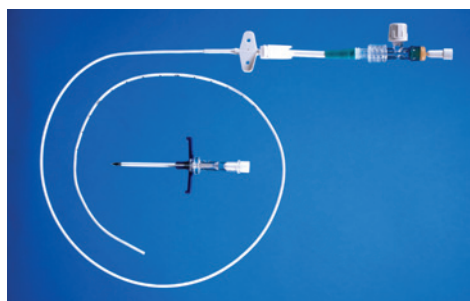


- PICC - Peripherally Inserted Central Catheter.
- May be inserted in any vessel.
- Silicone material for long term use of 30+ days.
- Radiopaque catheter can be cut to desired length.
- Insertion method via peel-away introducer.
- Catheter has a stylet wire to facilitate advancement.
- Kit includes catheter with wire stylet, peel-away introducer and tape measure.

DESCRIPTION	ITEM #	PRICE
2Fr (23Ga) x 40cm (16in) Single Lumen	3240	\$60.00
3Fr (20Ga) x 60cm (24in) Single Lumen	3360	\$60.00
4Fr (18Ga) x 60cm (24in) Single Lumen	3460	\$60.00
5Fr (16Ga) x 60cm (24in) Single Lumen	3560	\$60.00
5Fr x 60cm (24in) Double Lumen (2-18Ga)	3565	\$73.00

Pick & Peel Drape (#PPD - \$5.00) recommended for sterile field, see page 9.

See MILA website for link to YouTube video.



CVP Manometer

35cm water manometer with four-way stopcock, 125cm (50 inch) extension, injection site and luer lock adapter.

ITEM #CVP35	\$21.00
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EZIO - Intraosseous Catheter Kit



- Emergency delivery of fluid, medications and blood products directly into the vascular system within seconds, via bone marrow.
- Reusable stainless steel **two-part** needle. Solid sharp inner cannula. Consists of outer cannula with depth marks and forked tip.
- Very gentle. No bone splintering as with competitive systems.
- Training needles are *non-sterile*. Sterilize with cold sterilant, autoclave or EO gas.
- Power driver has lithium sealed battery.

DESCRIPTION	ITEM #	PRICE
Power Driver - G3	EZPD-3	\$425.00
Needle - 15Ga x 1.5cm	EZ1515	\$187.00
Needle - 15Ga x 2.5cm	EZ1525	\$187.00
Needle - 15Ga x 4.5cm	EZ1545	\$187.00
Training Needle - 15Ga x 1.5cm	EZTN15	\$70.00
Training Needle - 15Ga x 2.5cm	EZTN25	\$70.00
Training Needle - 15Ga x 4.5cm	EZTN45	\$70.00
Carrying Case - Soft Sided	EZC-S	\$60.00

Pick & Peel Drape (#PPD - \$5.00) recommended for sterile field, see page 9.



"We have found the EZIO very useful for patient care in our Emergency and Critical Care Department. It is easy to use and we train students, staff, house officers and faculty on clinical indications."

Steven L. Marks BVSc, MS, MRCVS, DACVIM
Clinical Professor of Internal and Emergency Medicine
North Carolina State University

Veincath Catheters

Catheter Through Needle Introduction Style

- Innovative replacement for the VenoCath.™
- **Protective pouch** to advance catheter with stylet.
- After catheter is placed, the needle is safely discarded before easy attachment of the female luer.
- Economical, radiopaque.

DESCRIPTION	ITEM #	PRICE
20Ga x 30cm (12in) catheter with 18Ga introducer	V2030	\$14.00

Pick & Peel Drape (#PPD - \$5.00) recommended for sterile field, see page 9.

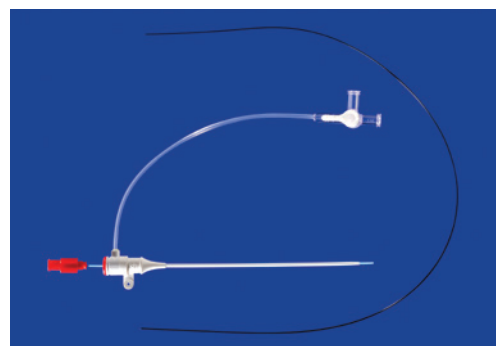


Introducer Sheaths with Hemostatic Valve

- Vascular access introducer sheath with hemostatic valve.
- Complete hemostasis during insertion and withdrawal of devices.
- Advanced material improves flexibility without gapping or kinking.
- Quarter-turn-screw dilator locking system ensures the smooth transition from dilator to sheath, preventing the pull out of the dilator.
- Includes sheath, dilator, and 45cm hydrophilic coated Nitinol wire with angled tip.

DESCRIPTION	ITEM #	PRICE
4Fr x 4cm (1.6in) - .021 wire	ISK4	\$27.00
5Fr x 5cm (2in) - .021 wire	ISK5	\$27.00
6Fr x 7cm (2.8in) - .035 wire	ISK6	\$27.00
7Fr x 7cm (2.8in) - .035 wire	ISK7	\$27.00
8Fr x 7cm (2.8in) - .035 wire	ISK8	\$27.00
9Fr x 7cm (2.8in) - .035 wire	ISK9	\$27.00

Pick & Peel Drape (#PPD - \$5.00) recommended for sterile field, see page 9.



Blood Filtration System

FILTER

- Stainless steel filter designed to filter particulate within blood components down to 18 microns.
- Used for the filtration of stored blood components and other fluids indicated for filtration.
- Luer locking hub allows the use of a standard syringe without a needle.
- 50cc filter capacity for whole blood and 20cc filter capacity for all other blood components.

DESCRIPTION	ITEM #	PRICE
Hemo-Nate Blood Filter - 18 Micron	BF18	\$6.25

SPIKE

- Hemo-Tap bag spike with needle injection port.

DESCRIPTION	ITEM #	PRICE
Hemo-Tap Bag Spike	BF15	\$4.75

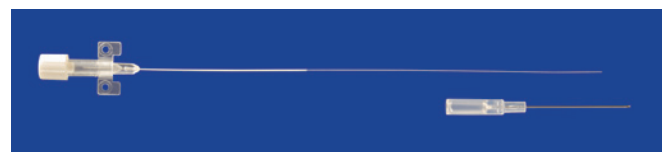


Arterial Catheter

- Reliable guidewire introduction technique.
- 22Ga x 6cm (2.5in)
- Constructed of PTFE with flexible suture wing.
- Set includes 22Ga needle, wire and catheter.

ITEM #AR2206	\$18.00
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Pick & Peel Drape (#PPD - \$5.00) recommended for sterile field, see page 9.



Hemodialysis

- **Two 'D' shaped** lumens for optimal, high blood flow rates.
- Soft polyurethane catheter designed to minimize catheter kinking.
- Flexible tip design for ease of placement and to minimize risk of vascular trauma.
- Silicone extension lines for improved durability during repeated clamping.
- Staggered exit ports designed to reduce recirculation.
- Moveable clamp allows for anchorage at the incision site, regardless of catheter indwell length.
- Rotating suture wing.

DESCRIPTION	ITEM #	PRICE
7Fr x 16cm (6.3in)	HDL716	\$55.00
8Fr x 16cm (6.3in)	HDL816	\$55.00
12Fr x 16cm (6.3in)	HDL1216	\$55.00
12Fr x 25cm (10in)	HDL1225	\$55.00

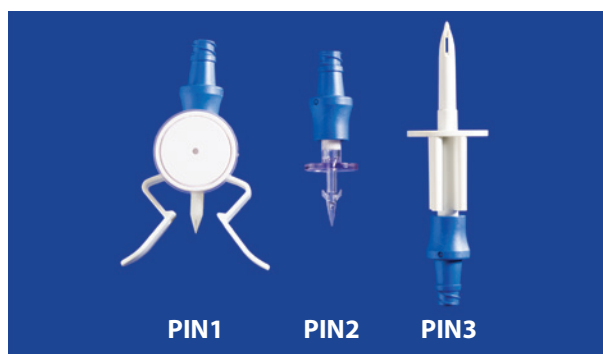


Dispensing Pins



- Save time and money.
- Puncture bag stopper or vial only once for multiple withdrawals or injections.
- All are needle-free. Operate with any syringe.
- PIN1 clamps onto the vial, **eliminates pulling** against a vacuum, and extends the life of the vial medication **because all incoming air is filtered**. Use on 20mm and 28mm vials.
- PIN3 greatly speeds up the process of filling syringes from a bag. The bag is punctured only once with the spike, thereby extending the life of the fluids when withdrawing from the bag through the needle-free adapter, rather than through a needle.

DESCRIPTION	ITEM #	PRICE
Clamping Vial Spike with Needle-Free Valve and Filtered Inlet Vent	PIN1	\$3.50
Vial Spike with Needle-Free Valve	PIN2	\$2.25
IV Bag Access with Needle-Free Valve	PIN3	\$2.00



Vented Vial Adapter

- 99.99 % protection against aerosols and vapors.
- Low residual.
- Multi-use with drip-free connector.
- Vented with dual pathway non-coring plastic spike and pressure equalization with 0.2 micron one way filter.
- 0.10ml priming volume.



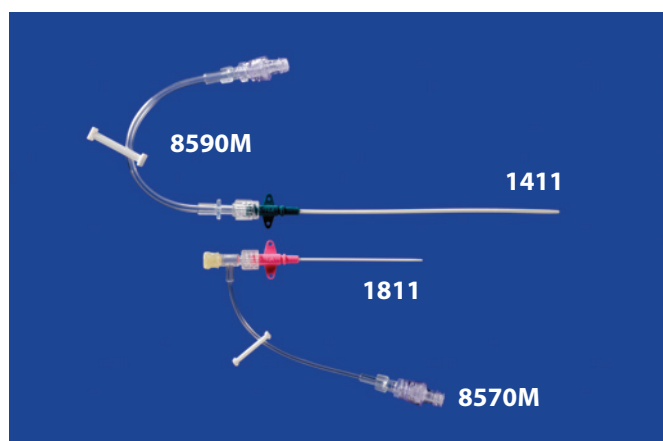
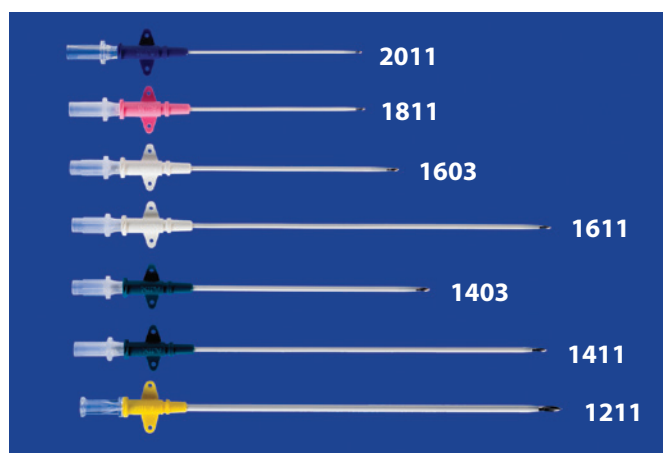
DESCRIPTION	ITEM #	PRICE
13mm vial	PIN13	\$3.25
20mm vial	PIN20	\$3.00
28mm vial	PIN28	\$4.00

Extended Use MILACATH®



- Kink resistant and break resistant radiopaque polyurethane catheter-over-needle.
- Suture wing and suture groove.

DESCRIPTION	ITEM #	PRICE
20Ga x 6.25cm (2.5in)	2011	\$11.00
18Ga x 6.25cm (2.5in)	1811	\$11.00
16Ga x 7.5cm (3.0in)	1603	\$11.00
16Ga x 13cm (5.25in)	1611	\$12.00
14Ga x 9cm (3.5in)	1403	\$11.00
14Ga x 13cm (5.25in)	1411	\$12.00
12Ga x 13cm (5.25in)	1211	\$12.00

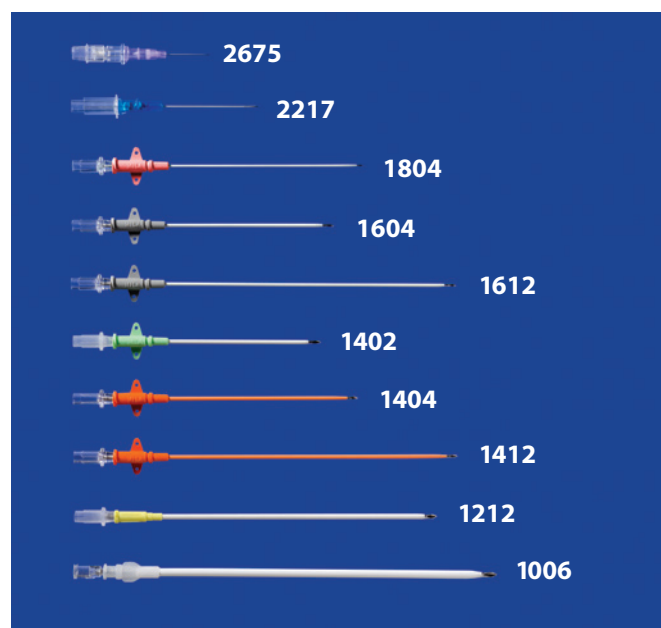


Note: Extension sets and caps pictured on pages 17-23.

Short Term Catheters

- Teflon radiopaque catheter-over-needle.

DESCRIPTION	ITEM #	PRICE
26Ga x 20mm (.75in)	2675	\$2.75
22Ga x 45mm (1.75in)	2217	\$3.50
18Ga x 9cm (3.5in)	1804	\$8.50
16Ga x 7.5cm (3in)	1604	\$8.50
16Ga x 13cm (5.25in)	1612	\$8.50
14Ga x 7cm (2.75in)	1402	\$5.75
14Ga x 9cm (3.5in)	1404	\$8.50
14Ga x 13cm (5.25in)	1412	\$8.50
12Ga x 13cm (5.25in)	1212	\$10.00
10Ga x 15cm (6in) - polyurethane	1006	\$11.00



Quicky Cath™

- Teflon, radiopaque catheter-over-needle.
- Recommended for less than 24 hour use.
- No suture wings.

DESCRIPTION	ITEM #	PRICE
16Ga x 8.25cm (3.25in)	QC163	\$4.00
16Ga x 14cm (5.5in)	QC165	\$4.50
14Ga x 8.25cm (3.25in)	QC143	\$4.00
14Ga x 14cm (5.5in)	QC145	\$4.50



Pick & Peel Surgical Drape

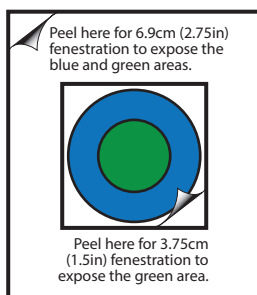
Use for maintaining a sterile field for catheter placement. Each drape allows the user to select a 3.75cm (1.5in) or 6.9cm (2.75in) fenestration. Drape size 60cm x 60cm (24in x 24in).

- Adhesive apertures.
- Sterile, impervious, translucent film.
- Provides superb translucent protection from fluids with optimal drapeability.
- Helps keep patient warm.
- Can be used for small animal DENTAL procedures. Put animal snout through the aperture.

ITEM #PPD	\$5.00
ITEM #PPD10	(10 Pack) \$40.00



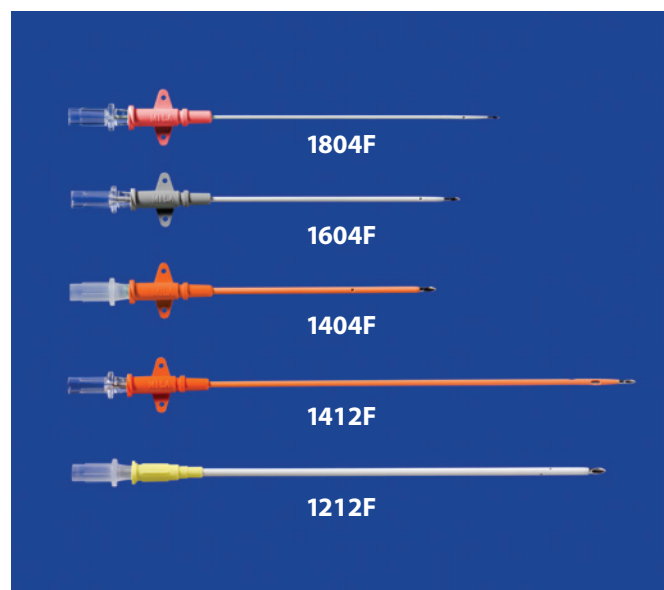
Additional drapes on page 55



Fenestrated Centesis Catheters

- Catheter-over-needle style with smooth transition from needle to catheter that aids in placement.
- Fenestrated with an additional 3 side holes at the distal end. Item #1212F has 4 side holes.
- Ideal for tapping pericardial effusion in dogs.

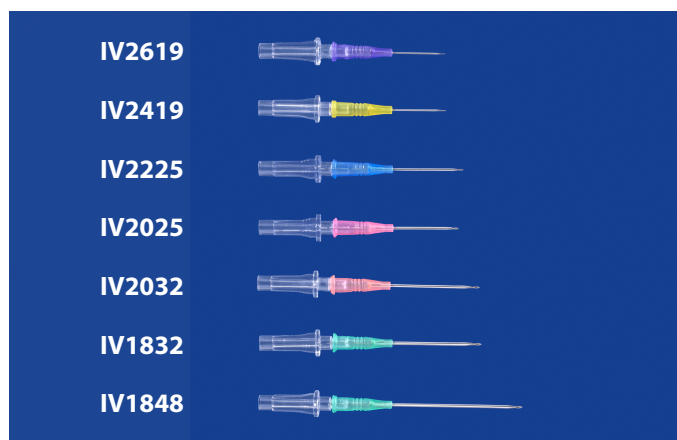
DESCRIPTION	ITEM #	PRICE
18Ga x 9cm (3.5in)	1804F	\$10.50
16Ga x 7.5cm (3in)	1604F	\$11.00
14Ga x 9cm (3.5in)	1404F	\$11.00
14Ga x 13cm (5.25in)	1412F	\$11.00
12Ga x 13cm (5.25in)	1212F	\$11.00



Peripheral IV Catheters

- **Smooth transition** from needle to catheter reduces burring and wasted sticks.
- Superior needle sharpness reduces tissue trauma and pain.
- Clear, large volume CLOSED chamber allows for adequate and immediate indication of vessel entry.
- Radiopaque teflon material.
- Filter vent plug prevents blood loss during insertion and can also be used to temporarily cap the IV catheter prior to securing an extension set.
- Sold individually or in boxes of 50.

DESCRIPTION	ITEM#	PRICE
26Ga x 20mm (0.75in)	IV2619	\$1.15
24Ga x 20mm (0.75in)	IV2419	\$0.90
22Ga x 25mm (1in)	IV2225	\$0.90
20Ga x 25mm (1in)	IV2025	\$0.90
20Ga x 30mm (1.25in)	IV2032	\$0.90
18Ga x 30mm (1.25in)	IV1832	\$0.90
18Ga x 48mm (1.88in)	IV1848	\$0.90







Introcan® Safety™ Peripheral IV Catheters

- Quality smooth transition from needle to catheter reduces burring and wasted sticks.
- Introcan® Safety™ radiopaque polyurethane catheters feature a safety clip that automatically covers the needle point when it is withdrawn, reducing accidental needle sticks.
- Push-off plate on hub for smooth insertion.
- Closed flashback chamber.

DESCRIPTION	ITEM #	PRICE
24Ga x 19mm (.75in)	IC2475	\$2.00
22Ga x 25mm (1.0in)	IC2201	\$2.00
20Ga x 32mm (1.25in)	IC2001	\$2.00
18Ga x 45mm (1.75in)	IC1801	\$2.00



Injection Ports

FEATURE	Item #8200*	Item #8098	Item #8095	Item #8080
*Item #8200 recommended for all applications to reduce confusion about which style to use.				
Needle-Free, Swabable	✓	✓	✓	
Clear	✓	✓	✓	
Approved for Saline Flush	✓	✓		
Normally Closed	✓	✓	✓	✓
Price	\$1.50	\$2.00	\$3.00	\$0.80

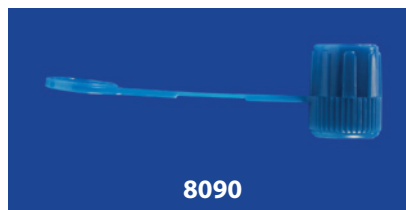
- **#8200 - Neutral Displacement Injection Port (Stasis Valve)** prevents blood reflux. Does not require clamping to control valve induced reflux. **The saline flush** option reduces risk, cost and time associated with Heparin use. Higher flow rate than the MicroClave®.
- **#8098 - MicroClave®** is a one-piece, closed, needle-free connector. Labeled for saline flush. Heparin not required.
- **#8095 - Bi-Directional Injection Port** is needle-free for direct attachment of an IV line or syringe. Includes a tethered cap (Item #8090).
- **#8080 - Safety Injection Port** has a built-in stop to prevent accidental tubing or technician puncture.

DESCRIPTION	ITEM #	PRICE
Neutral Displacement Injection Port (Stasis Valve)	8200	\$1.50
MicroClave® Needle-Free Injection Port	8098	\$2.00
Bi-Directional Valve Cap (includes 8090)	8095	\$3.00
Safety Injection Port	8080	\$0.80

Caps

- **Tethered Cap** (Item #8090) attaches to the catheter or extension hub to cover the injection port. Not for needle-free valves.
- **Stemless Luer Lock Cap** (Item #8099) 10 pack, non-sterile. Universal, works with all injection ports.

DESCRIPTION	ITEM #	PRICE
Tethered Cap	8090	\$0.80
Stemless Luer Lock Cap (10 pack)	8099	\$3.75



FEATURES



360° Spinner Luer Lock*

- **360° spinning luer lock hub** resists twisting and kinking of the catheter during patient movement.
- Helps prevent catheter disconnects by allowing the extension line to spin freely 360° when connected to a catheter. Avoids accidental unscrewing.
- Allows extension set to attach to catheter in any position while leaving the suture wings flat against the patient.
- Item numbers 8518, 8518M, 8530M, 8550M, 8590, 8590M, 8700 and 8718 feature the 360° spinning luer lock hub.



Neutral Displacement Injection Port(Stasis Valve)

- **Prevents blood reflux into the catheter when connecting and disconnecting syringes/lines.**
- **Clear, closed, NEEDLE-FREE valve with a swabable top for easy disinfecting.**
- **Does not require clamping to control valve induced reflux.**
- Saline flush option reduces risk, cost and time associated with Heparin use. **Heparin not required.**
- **Higher flow rate** than Microclave.®
- Item numbers 8518M, 8530M, 8550M, 8572M, 8575M and 8590M feature the stasis valve.



Normally Closed Valve

- The valve is needle-free and bi-directional for infusion and sampling.
- High-flow tubing.
- Select caps on page 17 or connect to an IV line.
- Item numbers 8518, 8572, 8575 and 8590 feature the normally closed valve.



Large Bore Female Luer

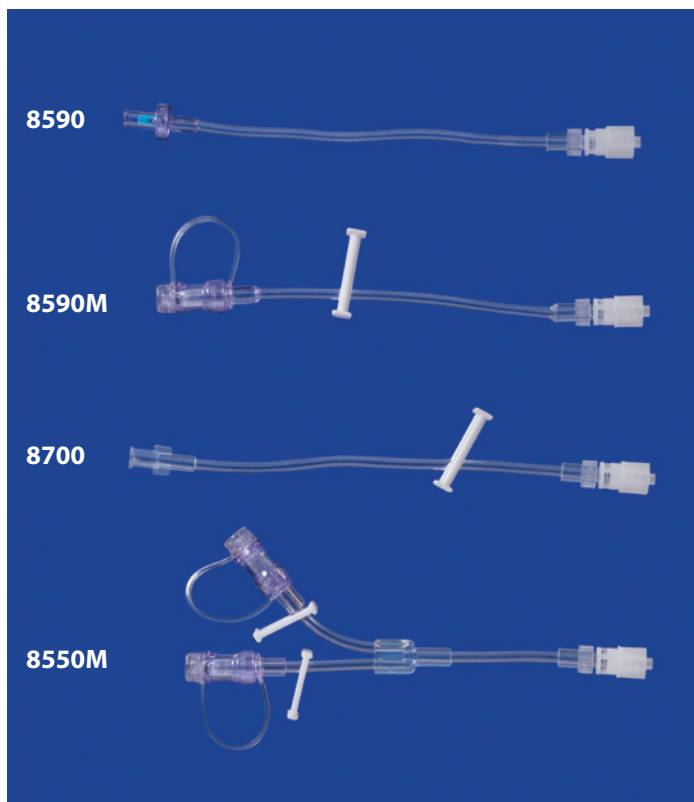
- Item numbers 8700 and 8718 feature the large bore female luer.

Rotating Male Luer Lock

- Large bore.
- Item numbers 8572, 8572M, 8575 and 8575M feature a rotating male luer lock.

*Patent Pending

Large Bore Extension Sets

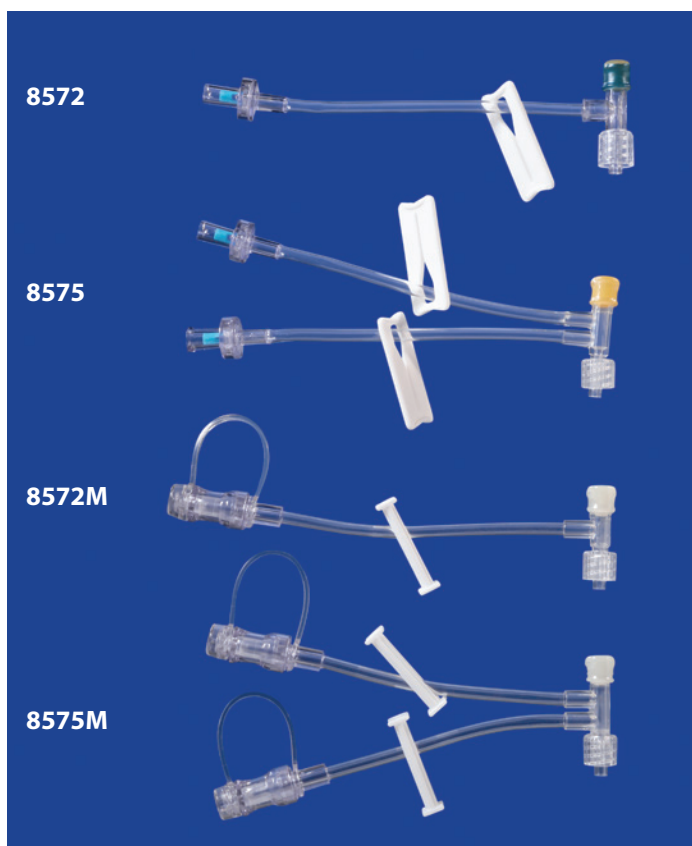


DESCRIPTION	ITEM #	PRICE
Straight Set with Normally Closed Valve, 360° Spinner		
13Ga x 18cm (7in)	8590	\$3.85
13Ga x 45cm (18in)	8518	\$3.85

Straight Set with Needle-Free Port, Tethered Cap, Clamp, 360° Spinner		
13Ga x 18cm (7in)	8590M	\$2.50
13Ga x 45cm (18in)	8518M	\$2.70
13Ga x 75cm (30in)	8530M	\$2.90

Straight Set with Female Luer, Clamp, 360° Spinner		
13Ga x 18cm (7in)	8700	\$2.00
13Ga x 45cm (18in)	8718	\$2.20

Bifuse Y-Set with 2 Needle-Free Ports, 2 Tethered Caps, 2 Clamps, 360° Spinner		
12Ga x 15cm (6in)	8550M	\$4.00



T-Set with Normally Closed Valve, Clamp, Injection Site, Rotating Male Luer Lock		
12Ga x 12.75cm (5in)	8572	\$4.60

Double T-Set with 2 Normally Closed Valves, 2 Clamps, Injection Site, Rotating Male Luer Lock		
12Ga x 12.75cm (5in)	8575	\$4.60

T-Set with Needle-Free Port, Tethered Cap, Clamp, Injection Site, Rotating Male Luer Lock		
12Ga x 12.75cm (5in)	8572M	\$2.00

Double T-Set with 2 Needle-Free Ports, 2 Tethered Caps, 2 Clamps, Injection Site, Rotating Male Luer Lock		
12Ga x 12.75cm (5in)	8575M	\$4.50

FEATURES



360° Spinner Luer Lock*

- **360° spinning luer lock hub** resists twisting and kinking of the catheter during patient movement.
- Helps prevent catheter disconnects by allowing the extension line to spin freely **360°** when connected to a catheter. Avoids accidental unscrewing.
- Allows extension set to attach to catheter in any position while leaving the suture wings flat against the patient.
- Item numbers 8585M and 8587M feature the 360° spinning luer lock hub.



Neutral Displacement Injection Port (Stasis Valve)

- **Prevents blood reflux into the catheter when connecting and disconnecting syringes/lines.**
- **Clear, closed, NEEDLE-FREE valve with a swabable top for easy disinfecting.**
- **Does not require clamping to control valve induced reflux.**
- Saline flush option reduces risk, cost and time associated with Heparin use. **Heparin not required.**
- **Higher flow rate** than Microclave®.
- Item numbers 8570M, 8573M, 8574M, 8576M, 8577M, 8584M, 8585M and 8587M feature the stasis valve.



Normally Closed Valve

- The valve is needle-free and bi-directional for infusion and sampling.
- Small bore tubing.
- Select caps on page 17 or connect to an IV line.
- Item numbers 8570 and 8585 feature the normally closed valve.



Microclave®

- Clear, one piece, closed needle-free connector
- Approved for saline flush. **Heparin not required.**
- Item numbers MC40, MC43 and MC44 feature the MicroClave®.

*Patent Pending

Small Bore Extension Sets



DESCRIPTION	ITEM #	PRICE
T-Set with Needle-Free Port, Tethered Cap, Clamp, Injection Site, Rotating Male Luer Lock 16Ga x 18cm (7in)	8570M	\$2.00
T-Set with Needle-Free Port, Tethered Cap, Clamp, Injection Site, Luer Slip 16Ga x 18cm (7in)	8573M	\$2.00
Bifuse Y-Set with 2 Needle-Free Ports, 2 Clamps, Rotating Male Luer Lock 16Ga x 13cm (5in)	8574M	\$4.00
T-Set with 2 Needle-Free Ports, 2 Tethered Caps, 2 Clamps, Injection Site, Luer Slip 16Ga x 20cm (8in)	8576M	\$4.50
T-Set with 2 Needle-Free Ports, 2 Tethered Caps, 2 Clamps, Injection Site, Rotating Male Luer Lock 16Ga x 20cm (8in)	8577M	\$4.50
Trifuse Set with 3 Needle-Free Ports, 3 Tethered Caps, 3 Clamps, Rotating Male Luer Lock 16Ga x 10cm (4in)	8584M	\$4.75
Straight Set with Needle-Free Port, Tethered Cap, Clamp, 360° Spinner 16Ga x 18cm (7in)	8585M	\$1.85
Quadfuse Set with 4 Needle-Free Ports, 4 Tethered Caps, 4 Clamps, 360° Spinner 16Ga x 15cm (6in)	8587M	\$5.25
T-Set with Normally Closed Valve, Clamp, Injection Site, Rotating Male Luer Lock 16Ga x 12.75cm (5in)	8570	\$4.60
Straight Set with Normally Closed Valve, Rotating Male Luer Lock 16Ga x 18cm (7in)	8585	\$3.85
T-Set with MicroClave®, Clamp, Injection Site, Rotating Male Luer Lock 18cm/7in length	MC40	\$4.85
T-Set with 2 MicroClaves®, Clamp, Rotating Male Luer Lock 18cm/7in length	MC43	\$5.00
Bifuse Y-Set with 2 MicroClaves®, 3 Clamps, Rotating Male Luer Lock 18cm/7in length	MC44	\$5.00

FEATURES



Female Luer And Rotating Male Luer Lock

- Mini bore female luer.
- Mini bore rotating male luer lock.
- Select caps on page 17 or connect to an IV line.
- Item numbers 8509, 8515, 8540, 8541, 8544, 8545 and UVB60 feature a female luer and rotating male luer lock. Item number 2408 has a rotating male luer lock.



Stopcock

- Three-way stopcock with two female luer locks.
- Additional stopcocks on page 79.
- Item number 2408 features a stopcock.

NEW

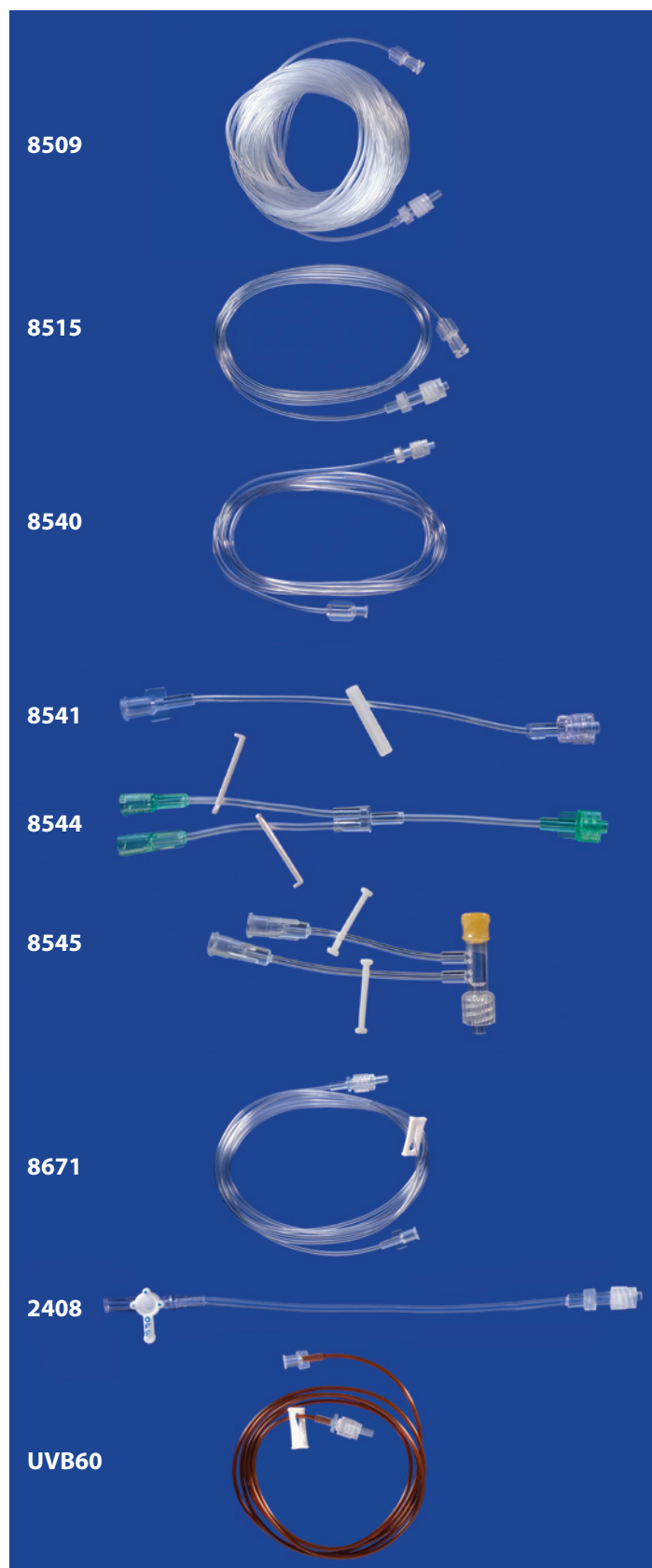


UV Blocking Extension Set

- Amber tubing provides protection for light sensitive liquid medications, reducing the risk of molecule crystallization and drug photodegradation.
- Female luer lock and rotating male luer lock.
- Set can also connect to MILA Nasogastric tube for medication delivered enterally (See page 36).



Specialty Extension Sets

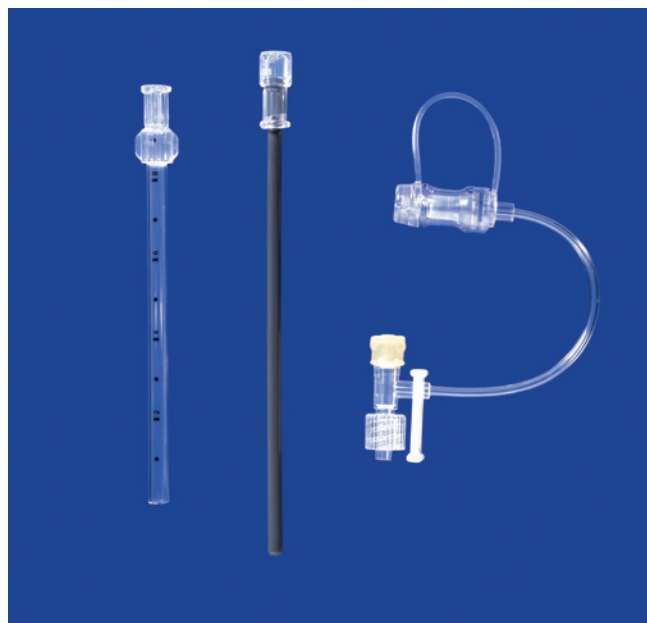


DESCRIPTION	ITEM #	PRICE
Mini Bore Straight Set with Female Luer and Rotating Male Luer Lock. Priming Volume = 4.0ml 20Ga x 9.1m (30ft)	8509	\$25.00
Pressure Monitoring Straight Set with Female Luer and Rotating Male Luer Lock. Priming Volume = 3.4ml 16Ga x 180cm (72in)	8515	\$3.75
Mini Bore Straight Set with Female Luer and Rotating Male Luer Lock. Priming Volume = 0.5ml 20Ga x 100cm (40in)	8540	\$3.85
Mini Bore Straight Set with Female Luer, Clamp, Rotating Male Luer Lock. Priming Volume = 0.3ml 20Ga x 15cm (6in)	8541	\$2.50
Mini Bore Bifuse Y-Set with 2 Female Luers, 2 Clamps, Rotating Male Luer Lock. Priming Volume = 0.43ml 20Ga x 15cm (6in)	8544	\$3.00
Mini Bore Double T-Set with 2 Female Luers, 2 Clamps, Injection Site and Rotating Male Luer Lock. Priming Volume = 0.4ml 20Ga x 8cm (3in)	8545	\$4.00
Small Bore Straight Set with Female Luer, Clamp and Rotating Male Luer Lock. Priming Volume = 2.4ml 16Ga x 180cm (71in)	8671	\$3.00
Large Bore Straight Set with Three-way Stopcock and Rotating Male Luer Lock. 13Ga x 20cm (8in)	2408	\$8.00
Mini Bore UV Blocking Set with Female Luer, Clamp, Rotating Male Luer Lock Priming Volume = 0.65ml 23Ga x 152cm (60in)	UVB60	\$4.50

Shores-Little Cerebral Biopsy Device

- Designed to obtain quality biopsies from deep or superficial cerebral structures.
- Includes biopsy sleeve, stylet, extension set and 5cc syringe.
- **Placement is guided by intraoperative ultrasound imaging or direct visualization of the target tissue.**
- Sterile, single use.

DESCRIPTION	ITEM #	PRICE
16Fr x 10.5cm (4.1in)	SLCBD1	\$40.00



About 4 years ago, we began working on a design for a simple biopsy device that would be economical, effective, and could work with our approach of using intraoperative ultrasound (IOUS) in our intracranial surgeries. The genesis of this was the difficulty of getting sufficient quantity of tissue samples for our pathologists to perform necessary tests to deliver an accurate diagnosis. Not every facility has the stereotactic equipment to localize tumors for biopsy and with the issue of brain shift that occurs with decompression of the brain, something that complimented our use of IOUS was one of our goals.

Initially a sleeve was designed in an attempt to core biopsy the masses with ultrasound guidance; however the difference in tissue densities made this impractical. After reading several papers on the most effective use of biopsy needles, it appeared that applying suction would effectively deliver a variety of tissue types into the sleeve. The amount of effective suction was contained in one excellent article and was listed as 6 mPa (millipascals). Our engineering department was consulted and determined that with this device 6 mPa was achieved with a 2 to 3 ml suction using the syringe on our device.

Our testing model was a tomato - this showed us that the combination of the device and suction delivered ample samples into the biopsy sleeve. Next, we tested this on cadaver brains and submitted samples for histopathology. The sample size and tissue architecture were said to be excellent.

Our clinical experience with the device has spanned a period of a little over 3 years. We have not had complications using this with the IOUS and biopsy samples have been consistently excellent. Visualizing the device with IOUS as it enters the mass assures us of a good sample. We hope this device will be useful for a number of neurosurgery groups.

Andy Shores, DVM, MS, PhD; DACVIM(Neurology)
Clinical Professor and Chief, Neurosurgery/Neurology
Mississippi State University College of Veterinary Medicine and Veterinary Specialty Center

Aspiration Needle System for FLUID

- Designed to provide intraosseous access and quality fluid aspirates.
- Triple sharpened tip to allow a non-traumatic, fast penetration into the bone marrow cavity.
- Adjustable depth guard to help control depth during needle insertion.
- Luer lock connection for syringe.

DESCRIPTION	ITEM #	PRICE
18Ga x 2cm (.78in) - Pink	BMAN18	\$22.00
15Ga x 3cm (1.25in) - Blue	BMAN15	\$22.00

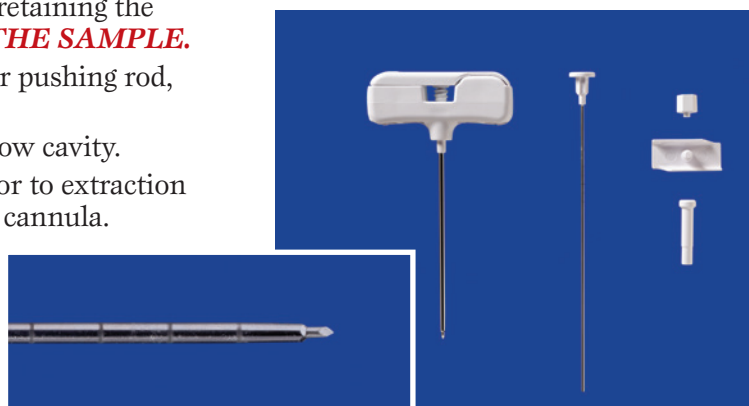


Bone Marrow Aspiration Needle System for SOLIDS



- Designed to provide quality biopsies by capturing and retaining the bone marrow in the needle ***WITHOUT ALTERING THE SAMPLE.***
- System includes Jamshidi style biopsy needle, obturator pushing rod, probe guide and luer lock cap.
- Needle point allows for easy penetration into the marrow cavity.
- Marked obturator rod indicates length of specimen prior to extraction and can be used to expel specimen from the extraction cannula.
- Luer lock connection for syringe.

DESCRIPTION	ITEM #	PRICE
13Ga x 10cm (4in) - Blue	BMAN13	\$28.00
11Ga x 10cm (4in) - White	BMAN11	\$28.00
8Ga x 10cm (4in) - Green	BMAN8	\$28.00

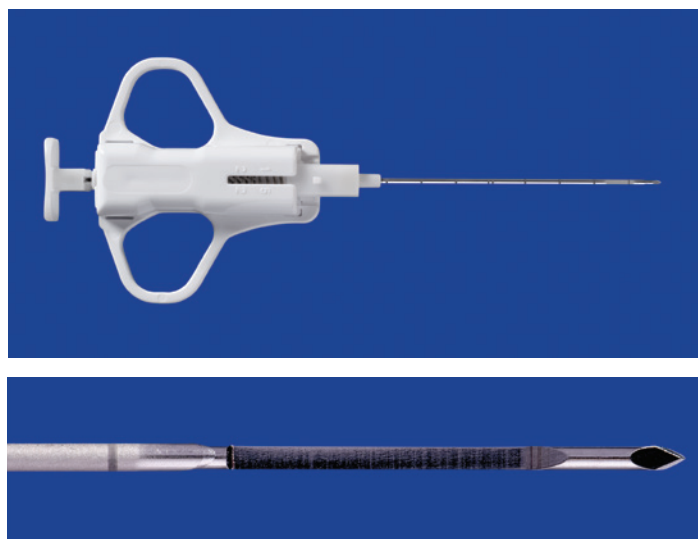


Soft Tissue Biopsy Needle



- **Echogenic tip** for accurate placement under ultrasound guidance.
- Centimeter markings facilitate precise depth placement.
- Specimen depth notch is adjustable to 15mm or 22mm.
- Can be safely positioned in the lesion before the spring loaded cutting cannula is deployed.
- Spring activated single-hand operation for soft tissue core biopsy collection.
- Precision cutting helps preserve cellular architecture for more accurate diagnosis.

DESCRIPTION	ITEM #	PRICE
16Ga x 8cm (3in)	BN1608	\$27.00
16Ga x 15cm (6in)	BN1615	\$27.00
14Ga x 8cm (3in)	BN1408	\$27.00
14Ga x 15cm (6in)	BN1415	\$27.00



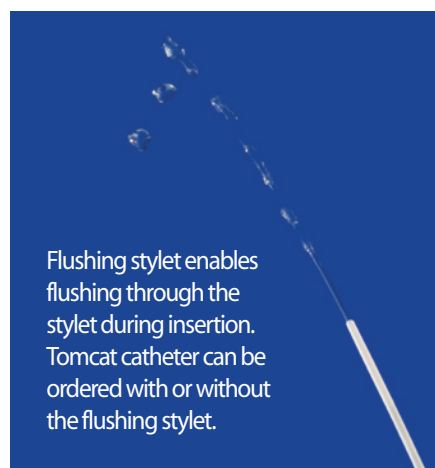
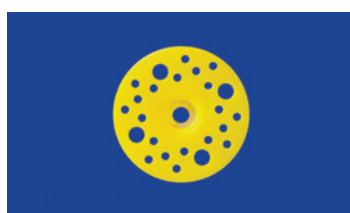
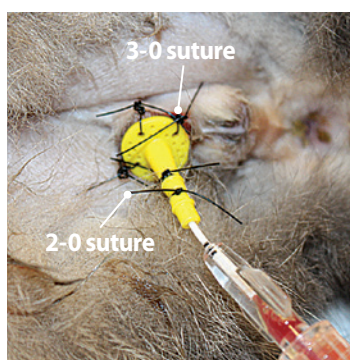
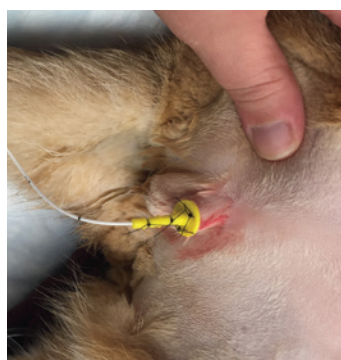
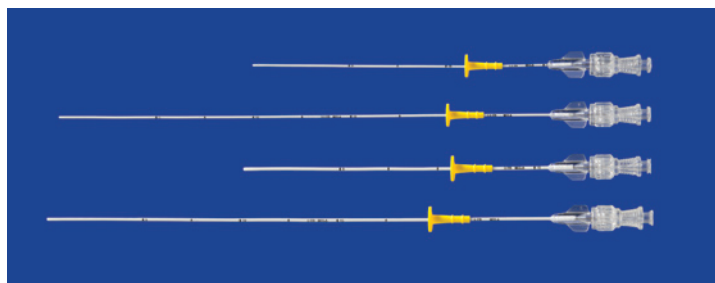
Tomcat / Small Animal Urinary Catheter – Length Adjustable



- **One catheter replaces two.** Same catheter used to unblock and leave indwelling to drain the bladder. This single device technique is designed to reduce the risk of infection and trauma associated with a two catheter technique.
- **FLUSHING STYLET** (optional) enables flushing through the stylet during insertion.
- Moveable suture device allows length adjustment.
- Non-irritating radiopaque polyurethane material with a finished open tip. Catheter is rigid for easy insertion and softens with body temperature.
- Improvement to the standard Tomcat, Jackson and Slippery Sam™ urinary catheters.
- Finished open tip.
- Luer lock for secure attachment to a CLOSED COLLECTION SYSTEM (see page 27).
- The 25cm length allows for the most flexibility when securing the catheter. The additional length allows for securement of the collection bag connector to occur at the tail or back of the cat, resulting in minimal catheter tension at the prepuce when the cat moves.

DESCRIPTION	ITEM #	PRICE
3.5Fr - catheter, length adjustable up to 15cm (6in)	UC306	\$11.00
3.5Fr - catheter, length adjustable up to 15cm (6in), with stylet	UC306S	\$13.00
3.5Fr - catheter, length adjustable up to 25cm (10in)	UC310	\$11.00
3.5Fr - catheter, length adjustable up to 25cm (10in), with stylet - most versatile size	UC310S	\$13.00
5Fr - catheter, length adjustable up to 15cm (6in)	UC506	\$13.00
5Fr - catheter, length adjustable up to 15cm (6in), with stylet	UC506S	\$16.00
5Fr - catheter, length adjustable up to 25cm (10in)	UC510	\$13.00
5Fr - catheter, length adjustable up to 25cm (10in), with stylet	UC510S	\$16.00

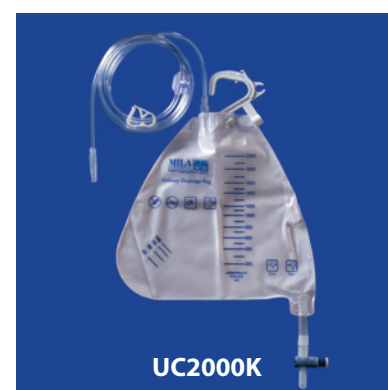
See page 27 for Urine Collection options | See page 28 for 4Fr Foley Catheter - **NEW**



Closed System Urine Collection Kits and Replacement Bags

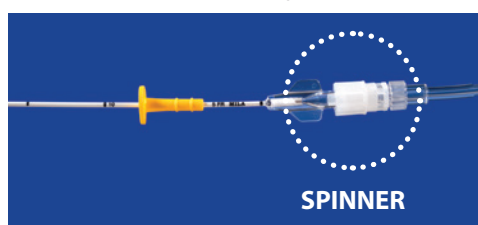
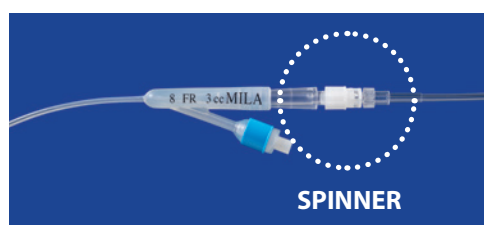


DESCRIPTION	ITEM #	PRICE
600cc closed system including 600cc collection bag with anti-reflux valve and twist drain, 72in (180cm) lightweight collection line with 360° spinner luer lock, injection/sampling port and female christmas tree adapter.	UC600K	\$23.00
1000cc closed system including 1000cc collection bag with anti-reflux valve and twist drain, 72in (180cm) lightweight collection line with 360° spinner luer lock, injection/sampling port and female christmas tree adapter.	UC1000K	\$23.00



360° SPINNER LUER LOCK ON THE COLLECTION LINE

360° spinning luer lock hub resists twisting and kinking of the collection line. Avoids accidental unscrewing.



2000cc closed system including 2000cc collection bag with anti-reflux valve and push/pull drain, 72in (180cm) collection line, injection/sampling port, non-wettable air filter and integrated barbed adapter.	UC2000K	\$23.00
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FOAL Closed System – CUSTOMIZABLE

Choose a collection bag and extension set to create a closed collection system for a foal. Consider tech convenience for size of foal, ambulatory, recumbent, etc. Order the foley adapter to connect the desired extension set to the foley catheter.

BAGS

600cc Collection Bag - Improved with volume marks beginning with 50cc, male luer lock and twist drain.	UC600	\$18.00
1000cc Collection Bag - Improved with volume marks beginning with 25cc, male luer lock and twist drain.	UC1000	\$18.00

EXTENSION SETS

7, 18, and 30in lengths include Stasis Valve, Clamp, Tethered Cap, and 360° spinner luer lock.

13Ga x 18cm (7in)	8590M	\$2.50
13Ga x 45cm (18in)	8518M	\$2.70
13Ga x 75cm (30in)	8530M	\$2.90

Lightweight 14Ga collection line (180cm/72in) with an injection/sampling port and 360° spinner luer lock.	UCT	\$5.00
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BARBED ADAPTER FOR FOLEY CATHETER (See photo on page 78)

Female luer lock adapter accepts 20-40Fr tube	2350	\$20.00
Each individually packaged and sterile.	(10 Pack)	

Replacement Bags and Collection Line

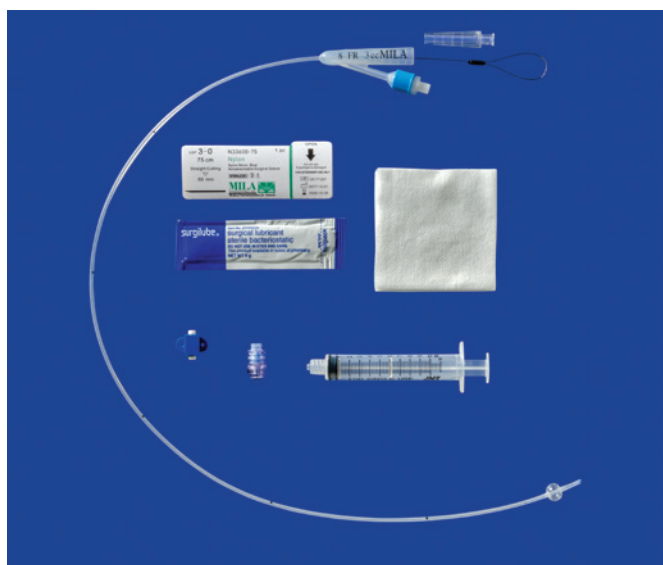
600cc Collection Bag - Improved with volume marks beginning with 50cc, male luer lock and twist drain.	UC600	\$18.00
1000cc Collection Bag - Improved with volume marks beginning with 25cc, male luer lock and twist drain.	UC1000	\$18.00
Lightweight 14Ga collection line (180cm/72in) with an injection/sampling port and 360° spinner luer lock.	UCT	\$5.00

Foley Catheters with Wire Stylet in a Procedure Kit



- **Kit** includes radiopaque silicone foley catheter, wire stylet, suture wing, suture pack, female luer lock christmas tree, needle-free cap, lubricating gel packet, gauze and syringe.
- Water activated lubricant on **inside** of sizes 5, 6 and 8 facilitates wire removal.
- Balloon cuff retains catheter in the bladder.
- The stylet provides rigidity to save time and reduce the risk of trauma.

DESCRIPTION	ITEM #	PRICE
4Fr x 30cm (12in) with 1cc balloon – NEW	UC412	\$37.00
5Fr x 30cm (12in) with 1cc balloon	UC512	\$37.00
5Fr x 55cm (21in) with 1cc balloon	UC521	\$37.00
6Fr x 30cm (12in) with 1.5cc balloon, suture wing	UC612	\$37.00
6Fr x 60cm (24in) with 1.5cc balloon, suture wing	UC624	\$37.00
6Fr x 90cm (36in) with 1.5cc balloon, suture wing	UC636	\$37.00
8Fr x 30cm (12in) with 3cc balloon, suture wing	UC812	\$37.00
8Fr x 60cm (24in) with 3cc balloon, suture wing	UC824	\$37.00
8Fr x 90cm (36in) with 3cc balloon, suture wing	UC836	\$37.00
10Fr x 30cm (12in) with 5cc balloon, suture wing	UC1012	\$37.00
10Fr x 45cm (18in) with 5cc balloon, suture wing	UC1018	\$37.00
10Fr x 90cm (36in) with 5cc balloon, suture wing	UC1036	\$37.00



Foley Catheters with Wire Stylet

- Radiopaque silicone foley catheter **with wire stylet**, suture wing, female luer lock christmas tree and needle-free cap.

DESCRIPTION	ITEM #	PRICE
12Fr x 30cm (12in) with 10cc balloon	UC1212	\$35.00
12Fr x 55cm (21in) with 10cc balloon	UC1221	\$35.00
14Fr x 23cm (9in) with 10cc balloon	UC1409	\$35.00
14Fr x 55cm (21in) with 10cc balloon	UC1421	\$35.00
16Fr x 55cm (21in) with 20cc balloon	UC1621	\$35.00
16Fr x 63.5cm (25in) with 20cc balloon	UC1625	\$35.00
18Fr x 55cm (21in) with 20cc balloon	UC1821	\$35.00
20Fr x 55cm (21in) with 30cc balloon	UC2021	\$35.00
22Fr x 55cm (21in) with 30cc balloon	UC2221	\$35.00
24Fr x 42cm (16in) with 30cc balloon	Ideal for MARES UC2416	\$52.00
24Fr x 150cm (59in) with 30cc balloon	Ideal for STALLIONS UC2459	\$52.00



Foley Catheters without Wire Stylet

- Radiopaque silicone catheter only, **no stylet**. Includes suture wing, female luer lock christmas tree and needle-free cap.

DESCRIPTION	ITEM #	PRICE
12Fr x 30cm (12in) with 10cc balloon	UC1212C	\$25.00
12Fr x 55cm (21in) with 10cc balloon	UC1221C	\$25.00
14Fr x 23cm (9in) with 10cc balloon	UC1409C	\$25.00
14Fr x 55cm (21in) with 10cc balloon	UC1421C	\$25.00
16Fr x 55cm (21in) with 20cc balloon	UC1621C	\$25.00
16Fr x 63.5cm (25in) with 20cc balloon	UC1625C	\$25.00
18Fr x 55cm (21in) with 20cc balloon	UC1821C	\$25.00
20Fr x 55cm (21in) with 30cc balloon	UC2021C	\$25.00
22Fr x 55cm (21in) with 30cc balloon	UC2221C	\$25.00
24Fr x 42cm (16in) with 30cc balloon	Ideal for MARES UC2416C	\$37.00
24Fr x 150cm (59in) with 30cc balloon	Ideal for STALLIONS UC2459C	\$37.00



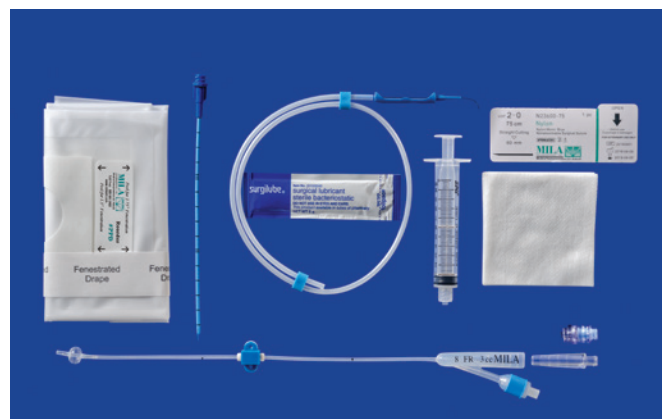
Foal/Horse Foley Catheters and Foal Urine Collection Kit

8Fr to 24Fr foley catheters (on this page) recommended for Foals/Horses.

Customizable Foal Urine Collection Kit on page 27.

Foley Catheters for Female Canine Guidewire/Seldinger Insertion

- Guidewire inserted foley catheter for female dogs.
- **Open-ended** foley catheter with balloon cuff.
- Hydrophilic Nitinol guidewire with angled tip.
- Water activated lubricant facilitates wire removal.
- Introducer with depth markings and flexible tip.
- Radiopaque silicone material.
- Kit includes catheter with balloon, guidewire, dilator, drape, lubricant, suture, suture wing, female luer lock christmas tree, needle-free cap, gauze and syringe.



"I strongly believe this improvement will help enormously with a much easier and safer placement of a urinary foley catheter in female dogs. And most importantly, it will offer better control of hygiene during catheter placement."

Developed in cooperation with Joris Robben, Associate Professor in Emergency and Intensive Care Medicine at the Small Animal ICU of the Faculty of Veterinary Medicine of Utrecht University

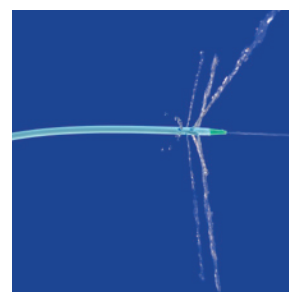
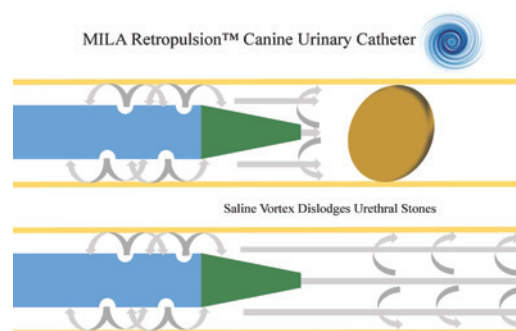
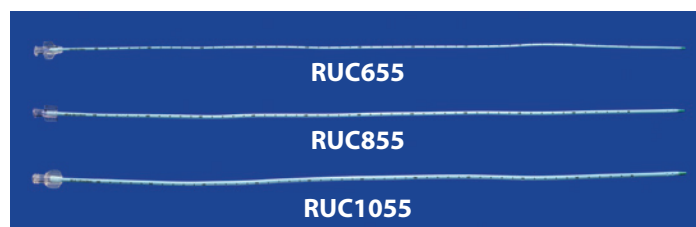
Retropulsion™ Urinary Catheters (RUC) for Male Canine



The Retropulsion™ Catheter is a short-term urinary drainage catheter for sampling and drainage of the bladder in male dogs. The catheter allows for comprehensive retrograde hydropulsion of lodged urethral calculi into the bladder. The catheter can provide rapid, easy exchange to a long-term foley using an open-ended silicone foley and guidewire.

- Radiopaque polyurethane catheter with a tapered, soft, flexible tip designed to be atraumatic and safely pass the urethra into the bladder. The rigidity/stiffness is a hybrid between polypropylene and red rubber.
- Multiple side holes with end-hole for maximum velocity saline vortex retrograde hydropulsion.
- Blue color catheter ideal for accentuating the urethra during urethrostomy.
- End-hole at catheter tip allows passage of a guidewire (up to 0.035") for rapid over-the-wire catheter exchange.
- Centimeter markings for precise depth placement.
- Luer lock end for easy connection to drainage bag or syringe.

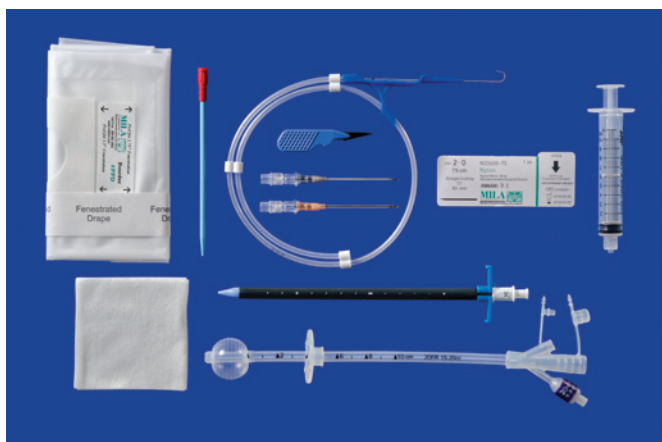
DESCRIPTION	ITEM #	PRICE
6Fr x 55cm (22in)	RUC655	\$11.00
8Fr x 55cm (22in)	RUC855	\$11.00
10Fr x 55cm (22in)	RUC1055	\$11.00



PERCUTANEOUS Balloon Catheter Kit for Cystostomy

- **Introduction uses Seldinger wire, followed by peel-away sheath.**
- **Open-ended** silicone catheter with 20cc balloon, depth markings and radiopaque stripe.
- 20Fr x 25cm (10in) catheter with Y-port and fixation ring.
- **Short catheter tip** design reduces gastric mucosa irritation.
- Large funnel Y-port with locking caps.
- Adjustable fixation ring prevents catheter migration.
- Kit includes catheter, catheter-over-needle introducers, guidewire, peel-away sheath with dilator, 12Fr dilator, scalpel, drape, gauze, suture, syringe and clamp.
- **Ideal for goats.**

ITEM #PBC20	\$85.00
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Locking Pigtail Catheter Kit (Nephrostomy)

- Percutaneous cannula-over-needle placement facilitates controlled, minimally invasive catheter introduction.
- For emergency nephrostomy and abscess drainage.
- Soft, flexible, kink resistant, radiopaque polyurethane catheter.
- Side holes positioned within catheter pigtail for effective drainage.
- **Locking string system** prevents accidental uncoiling of the pigtail.
- Pigtail (coil) helps retain the catheter in place.
- Includes cannula, direct puncture needle, pigtail catheter, collection line and 600cc collection bag.

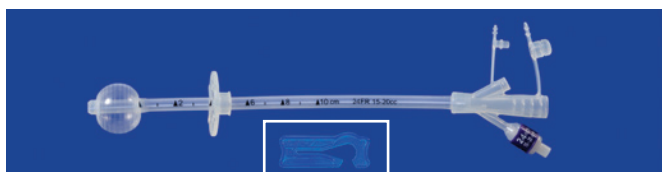
DESCRIPTION	ITEM #	PRICE
6Fr x 30cm (12in)	PT625	\$75.00
8Fr x 30cm (12in)	PT825	\$75.00



Cystostomy Catheter

- **SURGICALLY PLACED** open-ended silicone catheter with 20cc balloon, radiopaque stripe, fixation ring and Y-port. Clamp included.

DESCRIPTION	ITEM #	PRICE
20Fr x 25cm (10in)	CYGA20	\$24.00
24Fr x 25cm (10in)	CYGA24	\$24.00
28Fr x 25cm (10in)	CYGA28	\$24.00



Anal Sac Lifting Catheter

Lifting Catheter for Surgeons



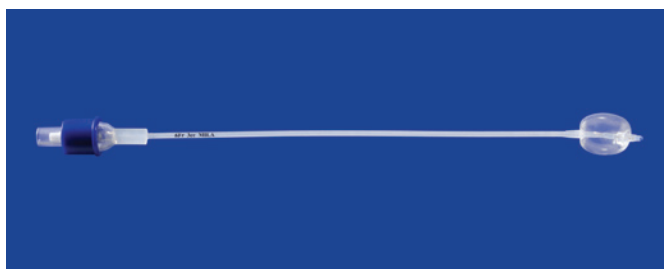
- Use for anal sacculotomy.
- Silicone catheter and balloon construction.
- Stiff low profile tip allows catheter to navigate into the anal sac orifice.



DESCRIPTION	ITEM #	PRICE
4Fr x 17.5cm (7in) - 1cc balloon	SAC4	\$9.00
6Fr x 17.5cm (7in) - 3cc balloon	SAC6	\$9.00

See MILA website for link to YouTube video.

Anal Sacculotomy procedure video complimentary of J. Brad Case, DVM, MS, DACVS, Assistant Professor, University of Florida Department of Small Animal Clinical Sciences

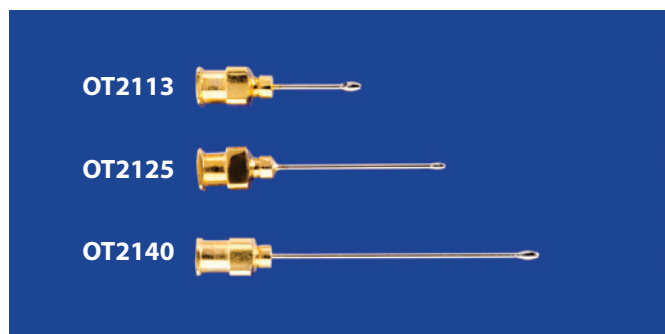


Olive Tip Needles

URINARY & ANAL GLAND LAVAGE NEEDLE

- Used to flush and lavage distal end of feline penis and anal gland.
- Stainless steel needle with small atraumatic olive tip.
- Female luer designed to fit any syringe.

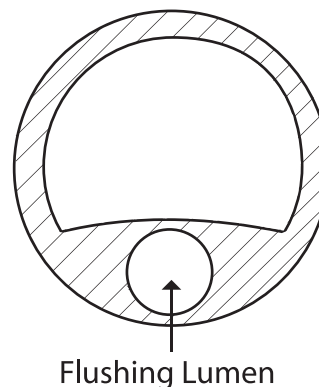
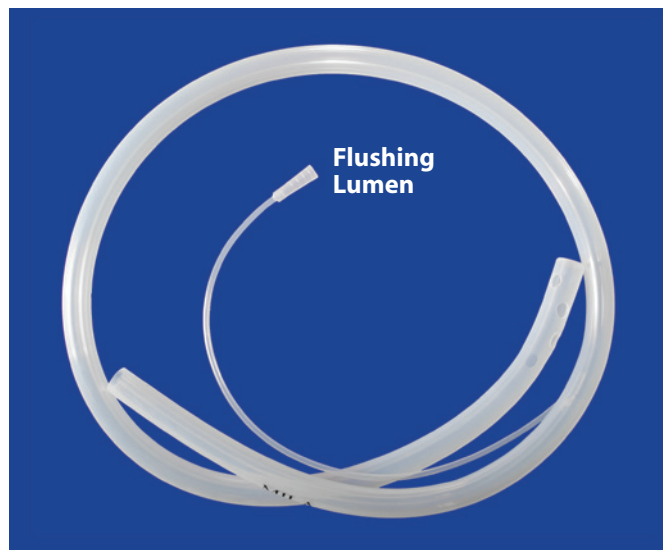
DESCRIPTION	ITEM #	PRICE
21Ga x 1.3cm (0.5in)	OT2113	\$15.00
21Ga x 2.5cm (1.0in)	OT2125	\$15.00
21Ga x 4.0cm (1.5in)	OT2140	\$15.00



Canine GDV / Bloat Tube

- **Dual lumen** tube for simultaneous flushing and evacuation of the stomach in Emergency and Surgery.
- Four large side holes.
- Soft, heavy duty silicone material.
- **Reusable.**
- Atraumatic tip.

DESCRIPTION	ITEM #	PRICE
Giant Breed 30mm (1.2in) OD x 22mm (1in) ID 180cm (72in) length, Flushing lumen = 50in	GDV1	\$199.00
Large Breed 25mm (1.0in) OD x 18mm (.7in) ID 180cm (72in) length, Flushing lumen = 50in	GDV2	\$150.00
NEW - LONGER LENGTH		
Medium Breed 17mm (0.6in) OD x 12mm (.48in) ID 180cm (72in) length, Flushing lumen = 50in	GDV3L	\$140.00
Medium Breed 17mm (0.6in) OD x 12mm (.48in) ID 125cm (50in) length, Flushing lumen = 32in	GDV3	\$120.00
Small Breed 12mm (0.48in) OD x 8.7mm (.34in) ID 125cm (50in) length, Flushing lumen = 32in	GDV4	\$120.00



PinkPoly™ – The *Red Rubber* Improvement

**Everyday Economy
for Short Term Use**

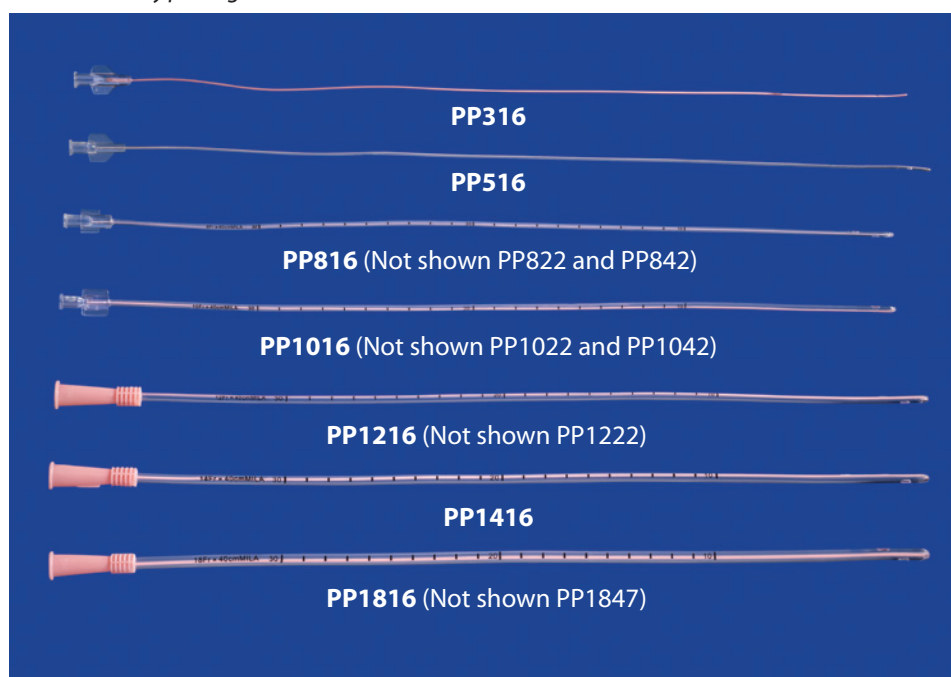
- Use for NG feeding, esophagostomy, urine drainage, oxygen delivery and small animal BAL (see page 56).
- DEHP and Phthalate Free: Non-leaching, non-irritating, latex-free polymer (PVC) construction that becomes firm when cold, softens with body temperature.
- Clear catheter body designed to easily visualize contents within the catheter.
- Smooth, polished surface inside and out. Minimizes trauma during catheter insertion and removal.
- Radiopaque Pink Stripe eliminates need for contrast. Entire catheter of #PP316 (3.5Fr) completely radiopaque.
- Centimeter markings on 8Fr-18Fr for precise depth placement.
- Longer lengths for 8Fr and 10Fr are adequate as a urinary catheter for male dogs and small animal BAL (see page 56).
- Staggered eyelets help to maintain tip strength during insertion and promote efficient drainage. Rounded, closed tip.
- Female luer hub eliminates need for barbed adapter. Connect DIRECTLY to your syringe or collection set.

DESCRIPTION	HUB STYLE	ITEM #	PRICE
3.5Fr x 40cm (16in)	Female Luer	PP316	\$4.00
5Fr x 40cm (16in)	Female Luer	PP516	\$4.00
8Fr x 40cm (16in)	Female Luer	PP816	\$3.00
8Fr x 55cm (22in)	Female Luer	PP822	\$3.00
8Fr x 108cm (42in)	Female Luer	PP842	\$3.00
10Fr x 40cm (16in)	Female Luer	PP1016	\$3.00
10Fr x 55cm (22in)	Female Luer	PP1022	\$3.00
10Fr x 108cm (42in)	Female Luer	PP1042	\$3.00
12Fr x 40cm (16in)	Funnel	PP1216	\$3.00
12Fr x 55cm (22in)	Female Luer	PP1222	\$3.00
14Fr x 40cm (16in)	Funnel	PP1416	\$3.00
18Fr x 40cm (16in)	Funnel	PP1816	\$8.00
18Fr x 120cm (47in)	Funnel	PP1847	\$8.00

****Ideal as a MARE URINARY CATHETER****

****Ideal as a STALLION URINARY CATHETER****

Each individually packaged and sterile.

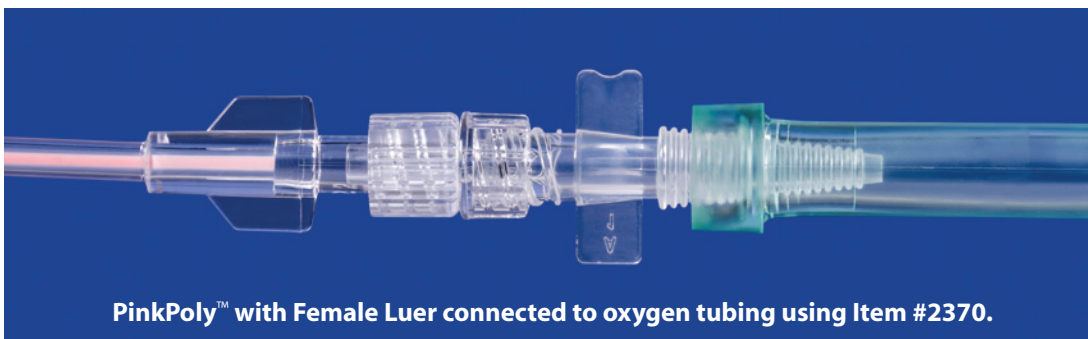
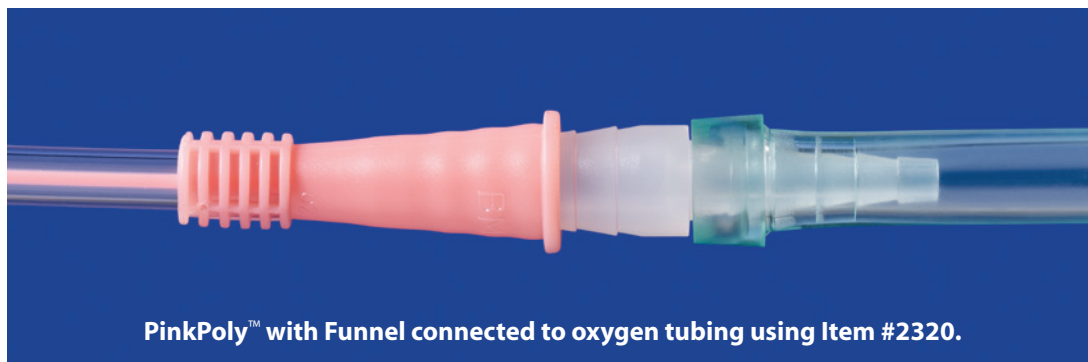


PinkPoly™ – Catheter Connectors

- Christmas tree adapters for use with luer lock or funnel.
- Female luer enables direct connection to a syringe or collection set.

DESCRIPTION	BOX SIZE	ITEM #	PRICE
Large dual ends to fit 12 - 36Fr tubes	10	2300	\$33.00
Small end fits 12 - 18Fr tubes. Large end fits 22 - 33Fr tubes	10	2320	\$33.00
Male Luer Lock with adapter to fit 11 - 22Fr tubes (Ideal for oxygen)	10	2370	\$20.00
Male Luer Lock with adapter to fit 20 - 40Fr tubes	10	2380	\$33.00

Each individually packaged and sterile.





Gastrostomy Kits

- Radiopaque polyurethane material is non-irritating and stronger than silicone.
- Collapsible bumper to facilitate insertion and removal. **Less traumatic removal than mushroom style.**
- Right angle fixation device that holds tube securely.
- Locking Y-adapter for feeding, irrigation, decompression and medication without disconnection.
- In large dogs, suture the disk securely.

SURGICAL PLACEMENT

Surgical Kit includes 50cm (20in) PEG tube, right angle fixation device, silicone fixation bar, Y-adapter and clamp.

DESCRIPTION	ITEM #	PRICE
16Fr Surgically Placed Kit	PGS16	\$52.00
20Fr Surgically Placed Kit	PGS20	\$52.00

ENDOSCOPIC PLACEMENT

Endoscopic Kit includes introducer needle, guidewire with loop, 62.5cm (25in) PEG tube with loop, right angle fixation device, silicone fixation bar, Y-adapter and clamp.

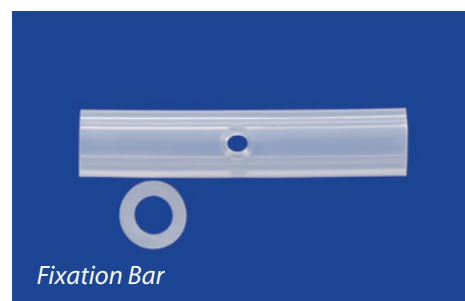
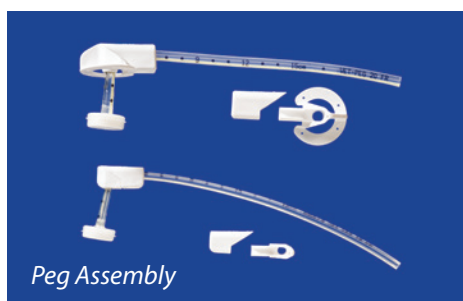
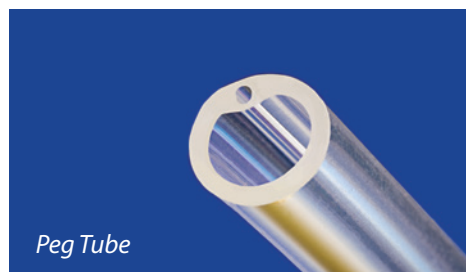
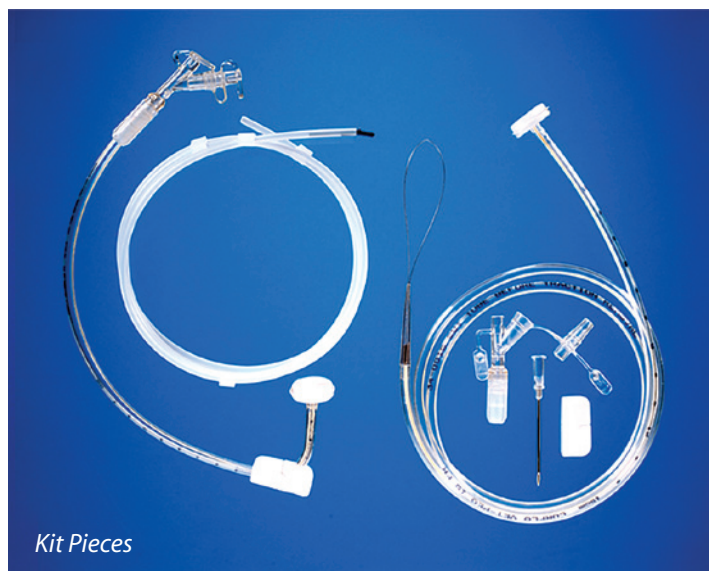
DESCRIPTION	ITEM #	PRICE
16Fr Endoscopically Placed Kit	PEG16	\$70.00
20Fr Endoscopically Placed Kit	PEG20	\$70.00

REPLACEMENT PIECES

Y-Replacement - 16Fr	RPEG16	\$17.00
Y-Replacement - 20Fr	RPEG20	\$17.00

See MILA website for link to YouTube video.

Compatible J tubes on next page.

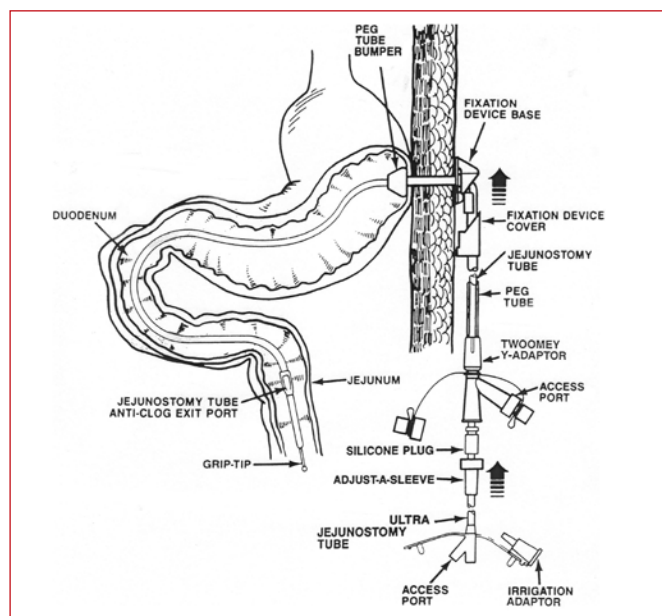
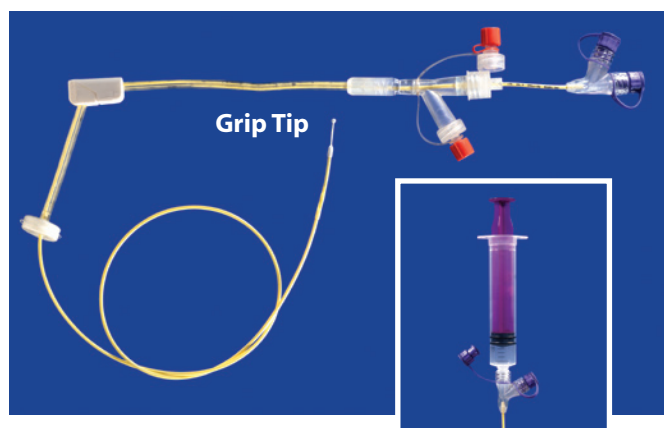


Jejunostomy Tubes (J thru G)

- Must be placed through either a 16Fr or 20Fr MILA PEG tube (on previous page).
- Continuous nutritional support via a jejunostomy tube positioned in duodenum or jejunum.
- Sealed Twoomey adapter permits evacuation of stomach from side port and placement of J-tube through top port.
- **Grip tip** on tube for grasping with endoscope.
- **Purple luer locks** to indicate for enteral nutrition only.

For **SURGICALLY PLACED** J-tubes, refer to Nasogastric Feeding Tubes on pages 36-37.

DESCRIPTION	ITEM #	PRICE
6Fr x 90cm (36in) - Order PEG16 or PGS16	J636	\$65.00
8Fr x 90cm (36in) - Order PEG20 or PGS20	J836	\$65.00
10Fr x 90cm (36in) - Order PEG20 or PGS20	J1036	\$65.00



Mic-Key – Low Profile Gastrostomy Device

- Balloon style cuff which enables insertion and removal without trauma after a stoma is formed.
- Can be easily replaced by the client.
- Kit includes patient care kit with 6cc & 35cc syringes, right angle feeding set, bolus feeding set and caregiver guide.
- Available in 12Fr, 14Fr, 16Fr, 18Fr, 20Fr and 24Fr diameters. Lengths from 0.8cm up to 5.0cm, a total of combinations. Length is measured from the proximal side of the balloon to the skin surface. Please refer to our website for a PDF of all sizes and lengths. Special order item, allow 5 business days for delivery.

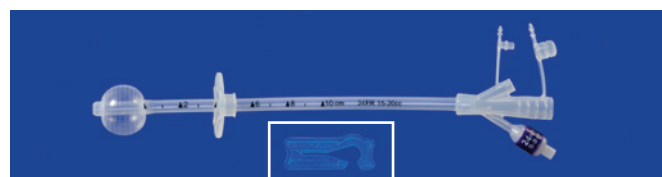


DESCRIPTION	ITEM #	PRICE
Mic-Key - specify Fr size and length	Mic-Key	\$145.00
Stoma Measuring Device	M5555	\$10.00
24in Right Angle Feeding Set - 5 pack	RFS24	\$55.00
Bolus Feeding Set - 5 pack	BFS12	\$50.00

Gastrostomy Catheter

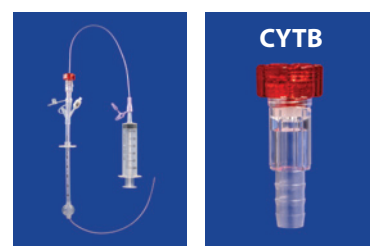
- Surgically placed open-ended silicone catheter with 20cc balloon, radiopaque stripe, fixation ring and Y-port. Clamp included.

DESCRIPTION	ITEM #	PRICE
20Fr x 25cm (10in), fits up to a 10Fr catheter	CYGA20	\$24.00
24Fr x 25cm (10in), fits up to a 12Fr catheter	CYGA24	\$24.00
28Fr x 25cm (10in), fits up to a 14Fr catheter	CYGA28	\$24.00
Tuohy Borst Adapter for Large Bore Catheters	CYTB	\$20.00



Use with Item #CYTB to prevent the backflow of fluid around the catheter or instrument inserted through the gastrostomy tube.

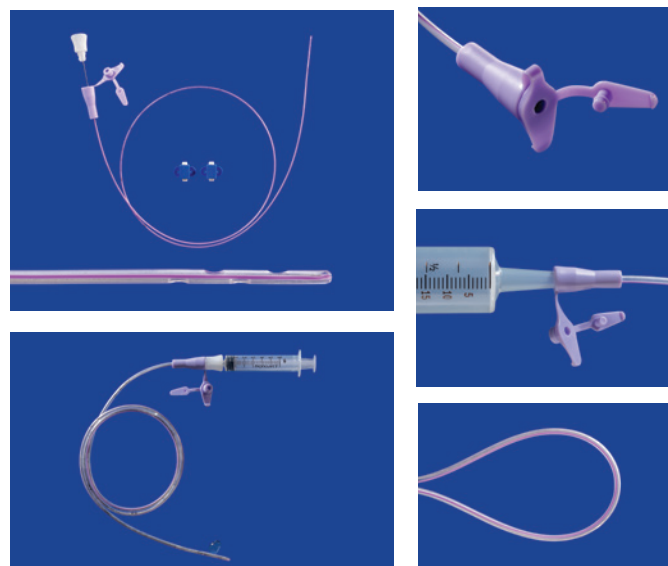
Ideal for J through G catheterization. Adapter connects to MILA Gastrostomy catheters and allows passage of MILA Nasogastric/Jejunostomy catheters.



NG PLUS Feeding Tube with Flushing Stylet

- Use for decompression and feeding.
- Can be left indwelling for days.
- Round, soft, atraumatic closed tip with side holes.
- Flushing stylet pre-loaded in every tube to facilitate insertion and designed to allow **easy wire removal in tight turns**.
- Testing for negative pressure can be achieved with a syringe attached to the end of the feeding tube's stylet hub after the tube has been positioned at the level of the thoracic inlet.
- Dual port designed for funnel syringe and luer slip syringe.
- **Superior kink resistance.**
- Non-irritating, LOW FRICTION, clear radiopaque polyurethane with purple stripe, depth markings and two suture wings to secure the tube in place.
- Color coded purple for safety.
- **OTHER USES** - oxygen delivery, male canine urine catheter, surgically placed jejunostomy tube (see sterile items listed below).

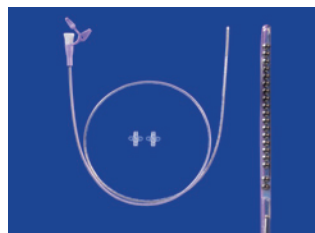
DESCRIPTION	ITEM #	PRICE
5Fr x 55cm (22in) sterile	NGP522S	\$18.00
5Fr x 90cm (36in) sterile	NGP536S	\$18.00
6Fr x 55cm (22in)	NGP622	\$15.00
6Fr x 55cm (22in) sterile	NGP622S	\$18.00
6Fr x 90cm (36in)	NGP636	\$15.00
8Fr x 90cm (36in)	NGP836	\$15.00
8Fr x 90cm (36in) sterile	NGP836S	\$18.00
8Fr x 108cm (43in)	NGP843	\$15.00
8Fr x 140cm (55in)	NGP855	\$15.00
10Fr x 90cm (36in)	NGP1036	\$15.00
10Fr x 90cm (36in) sterile	NGP1036S	\$18.00
10Fr x 108cm (43in)	NGP1043	\$15.00
10Fr x 140cm (55in)	NGP1055	\$15.00
10Fr x 180cm (71in)	NGP1071	\$15.00
12Fr x 108cm (43in)	NGP1243	\$15.00



WEIGHTED NG PLUS Feeding Tube with Flushing Stylet

Weighted NG Plus Feeding tubes have all of the same features as non-weighted tubes. Weight is in the distal tip.

DESCRIPTION	ITEM #	PRICE
6Fr x 55cm (22in) - 1 Gram weight	NGP622W	\$18.00
8Fr x 108cm (43in) - 3 Gram weight	NGP843W	\$20.00
10Fr x 90cm (36in) - 3 Gram weight	NGP1036W	\$25.00
10Fr x 108cm (43in) - 3 Gram weight	NGP1043W	\$25.00
12Fr x 108cm (43in) - 3 Gram weight	NGP1243W	\$25.00

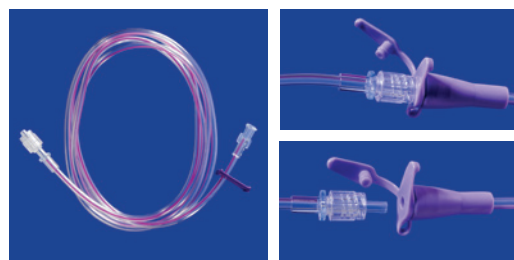


Weighted tubes are MRI CONDITIONAL WHEN THE STYLET HAS BEEN REMOVED. (Data on file)

Feeding Tube Extension

- Color coded purple for safety, to indicate feeding.
- Male luer fits the port of all MILA yellow and purple NG Tubes.
- Total length 150cm/60in.

ITEM #FTE60	\$3.00
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★
NEW

UV Blocking Extension

- Amber tubing provides protection for light sensitive liquid medications, reducing the risk of molecule crystallization and drug photo-degradation.
- Mini-bore UV Blocking extension set with female luer, clamp and rotating male luer lock.
- Set can connect to MILA Nasogastric tube for medication delivered enterally.
- 152cm (60 inches); Priming Volume: 0.65ml

ITEM #UVB60	\$4.50
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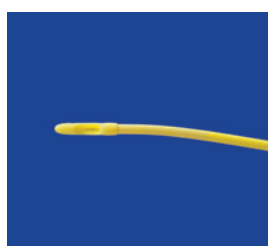
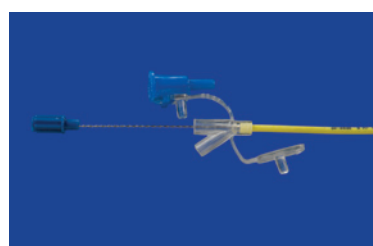
Nasogastric Feeding Tube with Stylet



- Use for decompression and feeding.
- Can be left indwelling for days.
- Flushing stylet to facilitate insertion.
- Non-irritating radiopaque polyurethane.
- Depth marks.
- Y-adapter for feeding, medication and flushing.
- Suitable for oropharyngeal oxygen delivery.
- Can be used as surgically placed Jejunostomy Tubes.

DESCRIPTION	ITEM #	PRICE
3Fr x 25cm (10in) sterile	NG310S	\$11.00
5Fr x 55cm (22in) sterile	NG522S	\$20.00
6Fr x 55cm (22in)	NG622	\$16.00
6Fr x 90cm (36in)	NG636	\$16.00
8Fr x 108cm (43in)	NG843	\$16.00
8Fr x 140cm (55in)	NG855	\$16.00
10Fr x 90cm (36in)	NG1036	\$20.00
10Fr x 108cm (43in)	NG1043	\$20.00
10Fr x 140cm (55in)	NG1055	\$20.00
12Fr x 108cm (43in)	NG1243	\$20.00
14Fr x 125cm (50in) Length adjustable and includes suture wing	NG1450	\$30.00
18Fr x 250cm (100in) Length adjustable and includes suture wing	NG18100	\$33.00

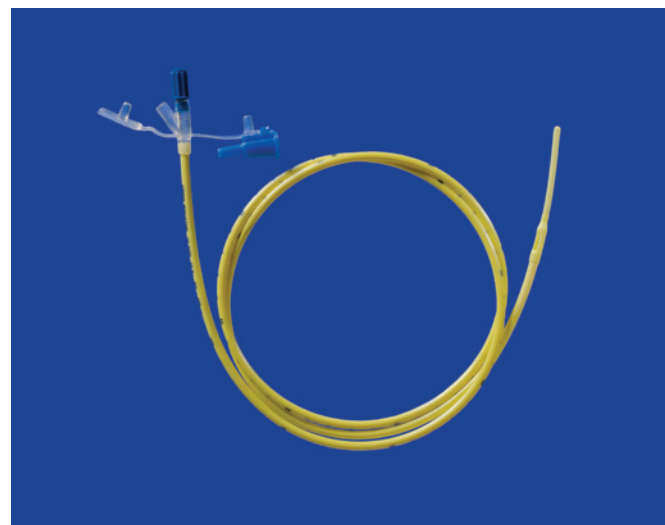
See MILA website for link to YouTube video.



Weighted Nasogastric Feeding Tube with Stylet

- Weight in distal end.
- Depth marks.
- Non-irritating radiopaque polyurethane.
- Use for decompression and feeding.
- Flushing stylet to facilitate insertion.
- Y-adapter for feeding, medication and flushing.

DESCRIPTION	ITEM #	PRICE
6Fr x 55cm (22in) - 1 Gram weight	NG622W	\$20.00
8Fr x 108cm (43in) - 3 Gram weight	NG843W-3	\$22.00
8Fr x 108cm (43in) - 7 Gram weight	NG843W-7	\$22.00
10Fr x 90cm (36in) - 3 Gram weight	NG1036W	\$29.00
10Fr x 108cm (43in) - 3 Gram weight	NG1043W	\$29.00
12Fr x 108cm (43in) - 3 Gram weight	NG1243W	\$29.00



Weighted tubes are MRI CONDITIONAL WHEN THE STYLET HAS BEEN REMOVED.
(Data on file)



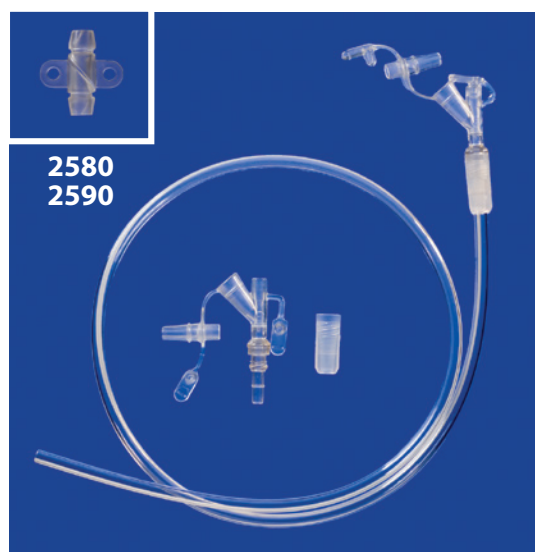
A novel placement technique for nasogastric and nasoesophageal tubes
Jennifer M. Herring DVM MS DACVECC
Veterinary Specialty Center - Buffalo Grove, Illinois



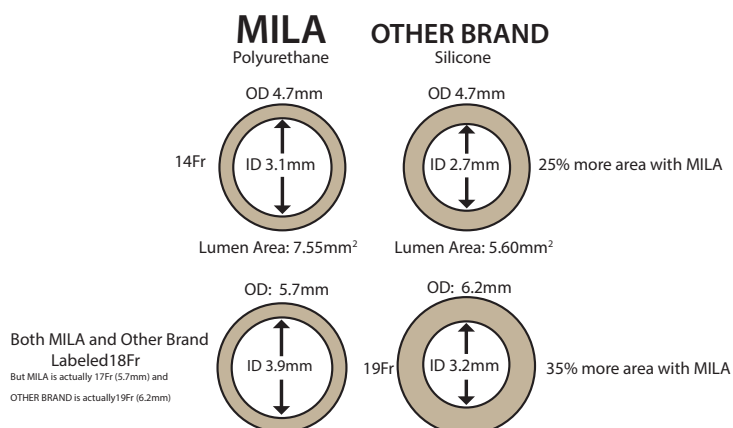
Esophagostomy Feeding Tubes – Polyurethane

- Place using MILA tunneler (ETUN14 or ETUN18) on page 39, tube passer (BE18MI or BE22MI) on page 39 or place in the usual manner.
- Tapered, open end with multiple side holes.
- Clear, non-irritating polyurethane material that resists kinking.
- Secure Y-adapter for feeding, medication and flushing.
- **Length adjustable after** placement by cutting the proximal end and replacing Y-adapter.
- Suture wing included (#2580/#2590).
- Radiopaque stripe with depth markings.

DESCRIPTION	ITEM #	PRICE
10Fr length adjustable up to 75cm (30in) - Use with #ETUN14 for placement.	E1030	\$23.50
14Fr length adjustable up to 33cm(13in)	E1413	\$23.50
14Fr length adjustable up to 75cm (30in) - Order 75cm or 125cm length for use with #ETUN14 or #BE18MI for placement.	E1430	\$23.50
14Fr length adjustable up to 125cm (50in), includes stiffening stylet. (No side holes on this size only.)	E1450	\$25.50
18Fr length adjustable up to 75cm (30in) - Use with #ETUN18 or #BE22MI for placement.	E1830	\$25.50
Y-Replacement Kit	E-Y	\$9.00
14Fr Suture Wing - 10 pack	2580	\$18.00
18Fr Suture Wing - 10 pack	2590	\$18.00



The MILA polyurethane esophagostomy catheter achieves much greater inner diameters with thinner walls, compared to silicone esophagostomy catheters. This results in greater flow rates through a smaller catheter.



Esophagostomy Feeding Tube Placement

Retrograde Technique: Tunneler for Esophagostomy Feeding Tube Placement

EASIER AND FASTER – Retrograde tunneling greatly improves the ability to easily, safely and quickly position the MILA **length adjustable** Esophagostomy Feeding Tubes. This technique allows the distal tip of the catheter to be manually passed through the mouth into the esophagus. The proximal end of the tube is pulled through the neck with the tunneler. Trim length and replace hub.

See MILA website for link to YouTube video.

DESCRIPTION	ITEM #	PRICE
14Fr Esophagostomy Tube Tunneler use for sizes 10Fr and 14Fr tubes	ETUN14	\$75.00
18Fr Esophagostomy Tube Tunneler	ETUN18	\$75.00



Antegrade Technique: Tube Passer for Esophageal Feeding Tube Placement

Designed to facilitate placement of E-tubes and reduce the risk of bleeding and subsequent skin infections. It is available in 3 different sizes and is compatible with all E-tubes as well as Esophageal Balloon Dilation Feeding Tubes used for management of esophageal strictures (page 41). See MILA website for detailed instructions.



DESCRIPTION	ITEM #	PRICE
18Fr Introducer for 10Fr BE Tube and 14Fr Esophagostomy Tube	BE18MI	\$135.00
22Fr Introducer for 14Fr BE Tube and 18Fr Esophagostomy Tube	BE22MI	\$135.00
26Fr Introducer for 18Fr BE Tube	BE26MI	\$135.00



CathCollar™ *SIZES FOR DOGS AND CATS*

For comfortable and secure protection of indwelling esophagostomy catheters.

- Ultra-slim, narrow width for maximum patient support and comfort. Less than 1/2 centimeter thick.
- Sizes for cats and dogs for use with esophagostomy tubes, BE tubes, central lines and to protect glucose monitors.
- Channel allows for quick and easy collar placement around the catheter.
- Durable construction with foam padding and elastic mesh storage pocket for proximal end of E-tube when not feeding.
- Each collar sold with absorbent pads.
- Clinic collar is solid blue color (Item# CCS). CathCollar™ for home is a printed pattern (Item# CCP). Availability of patterns vary.
- Washable and reusable. For best results, ensure hook and loop fasteners are closed before washing. Let air dry, do not put in the dryer.

DESCRIPTION	ITEM #	PRICE
CLINIC COLLAR - Solid Color		
Neck Size 7 to 10in - Total Length 11in	CCS-XS	\$25.00
Neck Size 9.5 to 12in - Total Length 13in	CCS-S	\$25.00
Neck Size 10.5 to 15in - Total Length 16in	CCS-M	\$25.00
Neck Size 15 to 20in - Total Length 21in	CCS-L	\$25.00
Neck Size 18.5 to 23in - Total Length 24in	CCS-XL	\$25.00
HOME COLLAR - Printed Pattern (PATTERNS VARY)		
Neck Size 7 to 10in - Total Length 11in	CCP-XS	\$30.00
Neck Size 9.5 to 12in - Total Length 13in	CCP-S	\$30.00
Neck Size 10.5 to 15in - Total Length 16in	CCP-M	\$30.00
Neck Size 15 to 20in - Total Length 21in	CCP-L	\$30.00
Neck Size 18.5 to 23in - Total Length 24in	CCP-XL	\$30.00
Replacement Absorbent Pads - 24 pack	CC-PADS	\$6.00



Percutaneous Balloon Catheter Kit for Gastrostomy

- Introduction uses Seldinger wire, followed by peel-away sheath.
- **Open-ended** silicone catheter with 20cc balloon, depth markings and radiopaque stripe.
- 20Fr x 25cm (10in) catheter with Y-port and fixation ring.
- **Short catheter tip** design reduces gastric mucosa irritation.
- Large funnel Y-port with locking caps.
- Adjustable fixation ring prevents catheter migration.
- Kit includes catheter, catheter-over-needle introducers, guidewire, peel-away sheath with dilator, 12Fr dilator, scalpel, drape, gauze, suture and syringe and clamp.
- **Ideal for goats.**

ITEM #PBC20

\$85.00



Cat Model

Use to demonstrate the placement of esophagostomy tubes with the MILA Tunneler or Tube Passer.

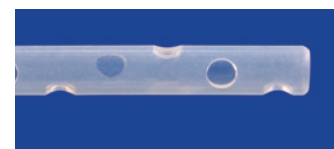
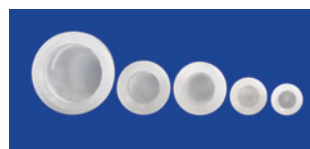
ITEM # CatModel \$99.00



Esophagostomy Feeding Tubes – Silicone

- Radiopaque, silicone material.
- Open end with multiple side holes.
- Female luer lock adapter with tethered cap.
- Suture wing included on all sizes except 30Fr.

DESCRIPTION	ITEM #	PRICE
12Fr x 38cm (15in) with 5cm of side holes	SE1215	\$24.00
14Fr x 38cm (15in) with 7cm of side holes	SE1415	\$24.00
20Fr x 38cm (15in) with 10cm of side holes	SE2015	\$24.00
20Fr x 55cm (22in) with 10cm of side holes	SE2022	\$24.00
30Fr x 55cm (22in) with 12cm of side holes	SE3022	\$24.00



PinkPoly™ – The Red Rubber Improvement

- Suitable for Nasogastric and Esophagostomy Feeding. Sizes from 3.5Fr up to 18Fr.
- Clear catheter body designed to easily visualize contents within the catheter.
- Smooth, polished surface inside and out. Minimizes trauma during catheter insertion and removal.
- Radiopaque Pink Stripe eliminates need for contrast.
- Centimeter markings on 8Fr-18Fr for precise depth placement.
- Staggered eyelets help to maintain tip strength during insertion and promote efficient drainage. Rounded, closed tip.

See page 32 for additional information.



Esophageal Balloon Dilation Feeding Tube



Use this one-stage esophageal balloon dilation feeding tube for palliative management of benign esophageal stricture and for feeding of cats and dogs. This is an effective single-procedure alternative to repeated expensive balloon dilations and incorporates the esophageal feeding tube.

DESIGN: The BE-tube has a double balloon surrounding the tube. A compliant outer balloon covers a non-compliant inner balloon for optimal, low profile, long term, routine, at home dilation of strictures.

- BE-tube is clear, non-irritating polyurethane ideal for long term use.
- Lateral ports minimize catheter occlusion.
- Radiopaque line for x-ray visualization aids exact placement.
- Latex free.
- **Accessory kit** contains two Hydrophilic Nitinol wires with steerable tip (.035in x 80cm and .035in x 150cm), a Centesis Valve (#175450NB) and a stopcock (#2405).
- **Items needed for placement** and operation of the BE-tube are the accessory kit (#BE-ACC), peel-away or reusable introducer and inflation device (#BE-BIG60).

DESCRIPTION	ITEM #	#PRICE
10Fr x 75cm (30in) Feeding Tube with a balloon 10mm diameter x 12cm length - Order with BE14PAI or BE18MI	BE1012	\$650.00
14Fr x 75cm (30in) Feeding Tube with a balloon 15mm diameter x 15cm length - Order with BE14PAI or BE22MI	BE1415	\$650.00
14Fr x 75cm (30in) Feeding Tube with a balloon 20mm diameter x 20cm length - Order with BE14PAI or BE22MI	BE1420	\$650.00
18Fr x 75cm (30in) Feeding Tube with a balloon 25mm diameter x 25cm length - Order with BE18PAI or BE26MI	BE1825	\$650.00
18Fr x 75cm (30in) Feeding Tube with a balloon 30mm diameter x 30cm length - Order with BE18PAI or BE26MI	BE1830	\$650.00

Required: Choose Single Use Peel-Away Introducer OR Reusable Introducer

Peel-Away Introducer - Single Use Only

10Fr and 14Fr Tube use 24Fr x 13cm Sheath	BE14PAI	\$53.00
18Fr Tube use 26Fr x 13cm Sheath	BE18PAI	\$53.00

Reusable Introducer

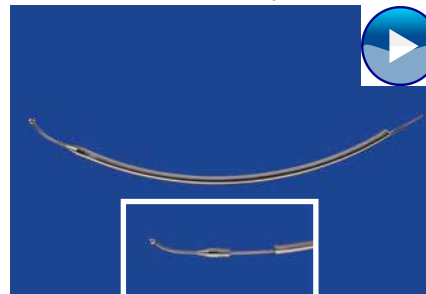
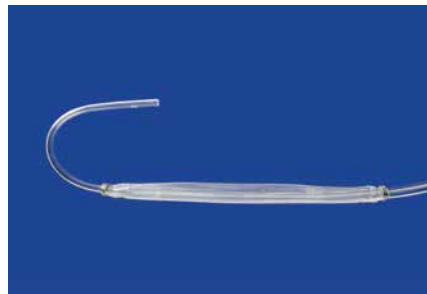
18Fr Introducer for 10Fr BE Tube and 14Fr Esophagostomy Tube	BE18MI	\$135.00
22Fr Introducer for 14Fr BE Tube and 18Fr Esophagostomy Tube	BE22MI	\$135.00
26Fr Introducer for 18Fr BE Tube	BE26MI	\$135.00

Accessory Kit - Wires, Centesis Valve, Stopcock	Required	BE-ACC	\$70.00
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Inflation Device **Required and Reusable**

60cc Inflation Device	BE-BIG60	\$95.00
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USE: Once a BES has been diagnosed and traditionally balloon-dilated, the BE-Tube is placed similarly to a standard esophageal feeding tube (E-Tube) with some technical differences. The owner performs twice daily balloon dilations at home, in their unsedated pet, using predetermined air volumes. This tube can also provide supplementation of food, water and medications. While stricture dilation can be uncomfortable in humans, the initial stricture effacement would occur under the initial anesthetic episode so subsequent dilations would not be expected to be associated with discomfort. In between the daily dilation procedures, the balloon would be self-constrained permitting passage of normal food and liquid boluses. The BE-Tube is typically removed approximately 4-6 weeks later, often under general anesthesia, for repeat esophagoscopy to confirm stricture resolutions. It can also be removed in an awake patient.



Prospective evaluation of an indwelling esophageal balloon dilation feeding tube for treatment of benign esophageal strictures in dogs and cats
 Desmond K. Tan, Chick Weisse, Allyson Berent, Kenneth E. Lamb
 Journal of Veterinary Internal Medicine January 2018

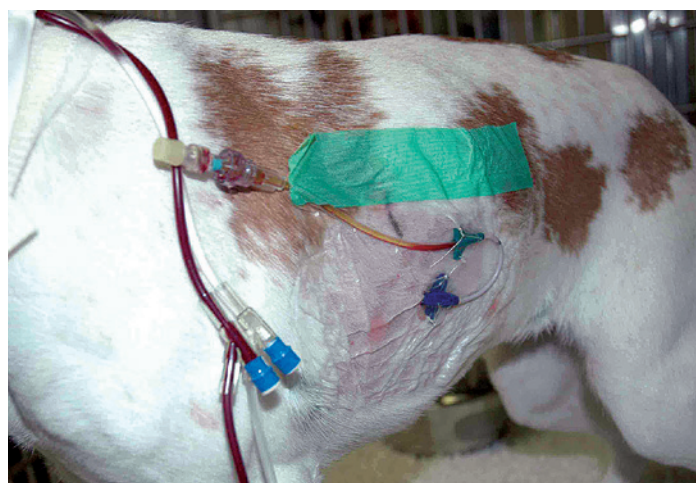


Guidewire Inserted Chest Tube Procedure Kit

- **Place using local anesthetic and sedation.**
- Single lumen, radiopaque, polyurethane catheter with multiple fenestrations.
- Use for pyothorax, hemothorax, pneumothorax, emergency peritoneal lavage and pericardial drain.
- Insertion using the Seldinger catheter-over-guidewire technique.
- Normally closed bi-directional valve with luer adapters prevents air from entering chest.
- Additional suture wing for secure adjustment and attachment.
- **NEW larger 12 French** size with pre-loaded stiffening stylet and skin dilator in the kit.
- Multiple drainage holes.
14Ga fenestrated up to 4cm or 8cm mark.
12Ga fenestrated up to 6cm or 15cm mark.
12Fr fenestrated up to 16cm mark.
- Kit includes introducers, guidewire, dilator, catheter, suture wings and neutral displacement valve.

DESCRIPTION	ITEM #	PRICE
14Ga x 20cm (8in) Fenestrated up to 4cm	CT1404	\$31.00
14Ga x 20cm (8in) Fenestrated up to 8cm	CT1410	\$31.00
12Ga x 20cm (8in) Fenestrated up to 6cm	CT1206	\$32.00
12Ga x 30cm (12in) Fenestrated up to 15cm	CT1210	\$32.00
12Fr x 30cm (12in) Fenestrated up to 16cm	CT12Fr16	\$42.00

See MILA website for link to YouTube video.



Chest Tube Discussion

Michael Ethier DVM, DVSc, DACVECC

Toronto Veterinary Emergency and Referral Hospital



Sample Case

Jerry Jensen EMT-P, CVT, VTS(ECC)

Veterinary Specialty Center - Buffalo Grove, Illinois



Evaluation of Small-Bore Wire-Guided Chest Drains for Management of Pleural Space Disease

C. Valtolina and S. Adamantos

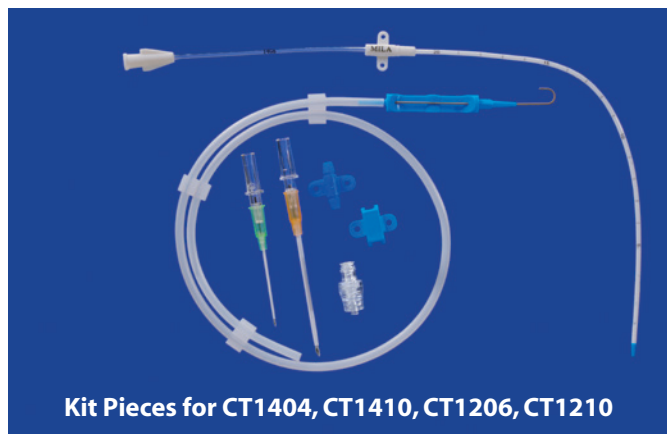
Royal Veterinary College - Hatfield, Hertfordshire



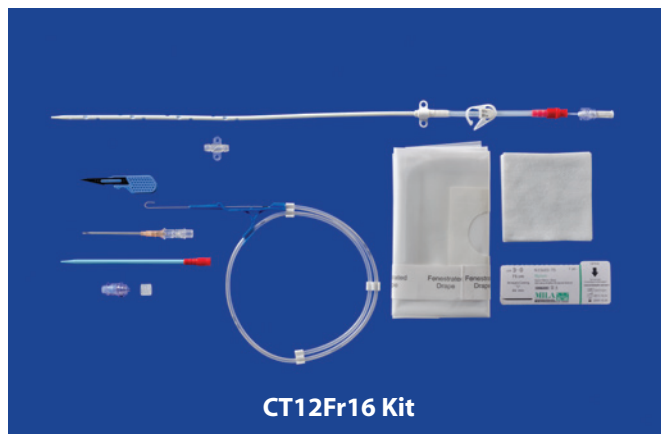
Retrospective evaluation of pericardial catheter placement in the management of pericardial effusion

Simon Cook BSc BVSc MVetMed DACVECC DECVECC

Royal Veterinary College - North Mymms, Hertfordshire



Kit Pieces for CT1404, CT1410, CT1206, CT1210



CT12Fr16 Kit



CT12Fr Stiffening Stylet

Chest Tube Suction Bulb with 360° Spinning Luer Lock Adapter

- Continuous gentle suction.
- **360° spinning luer lock adapter** for secure attachment to MILA Guidewire Chest Tube. Resists twisting and kinking of the catheter during movement. Avoids accidental unscrewing.
- Add barbed adapter (Item #2350) for use with flared chest tube.
- Volume markings provide easy measurement.
- Internal anti-reflux valve to help prevent backflow of fluid to the patient.

DESCRIPTION	ITEM #	PRICE
100cc suction bulb	CG100	\$18.00
150cc suction bulb	CG150	\$18.00
200cc suction bulb	CG200	\$18.00
400cc suction bulb	CG400	\$22.00
Female luer lock adapter accepts 20-40Fr tube Each individually packed and sterile	2350	\$20.00 (10 pack)

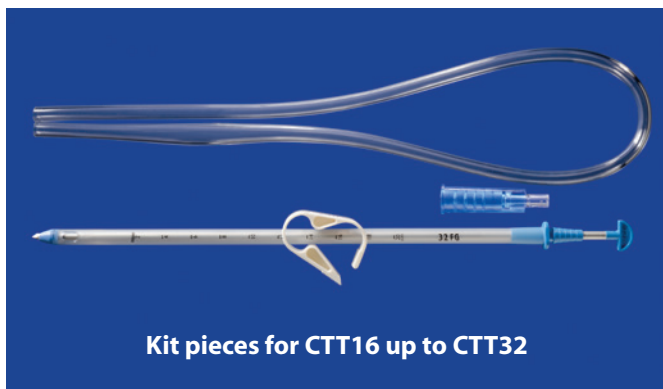


Chest Tube with Sharp Trocar and Adapters

(Tubes with BLUNT TROCARS on page 53.)

- **Sizes 10, 12 and 14 include clamp** and barbed adapter.
- **Sizes 16, 20, 24, 28 and 32 include clamp**, barbed adapter and 36 inches (90cm) of sterile bubble tubing.
- Open end with two large side holes.
- Depth marks.
- PVC material.

DESCRIPTION	ITEM #	PRICE
10Fr x 19cm (7.5in)	CTT10S	\$15.00
12Fr x 19cm (7.5in)	CTT12S	\$15.00
14Fr x 19cm (7.5in)	CTT14S	\$15.00
16Fr x 21cm (8in)	CTT16	\$15.00
20Fr x 34cm (13.5in)	CTT20	\$15.00
24Fr x 34cm (13.5in)	CTT24	\$15.00
28Fr x 34cm (13.5in)	CTT28	\$15.00
32Fr x 34cm (13.5in)	CTT32	\$15.00

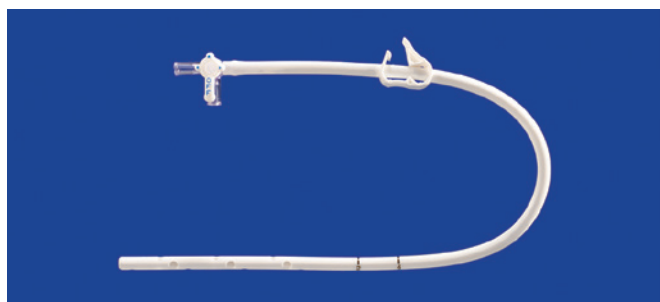


Blunt Trocar Abdominal Drains on page 53.

Silicone Chest Tubes

- Very kink resistant.
- Radiopaque, single lumen, open end with multiple side holes.
- Use for drainage of air or fluid.
- Surgically place or use Kelly clamp.
- Includes clamp, barbed adapter or stopcock.

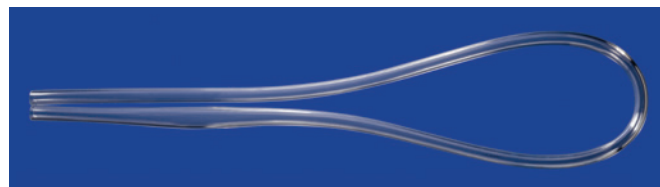
DESCRIPTION	ITEM #	PRICE
12Fr x 38cm (15in) with 5cm of sideholes	CT1215	\$24.00
14Fr x 38cm (15in) with 7cm of sideholes	CT1415	\$24.00
20Fr x 38cm (15in) with 10cm of sideholes	CT2015	\$24.00
20Fr x 55cm (22in) with 10cm of sideholes	CT2022	\$24.00
30Fr x 55cm (22in) with 12cm of sideholes	CT3022	\$24.00



Bubble Tubing

Bubble Tubing gets its name from the fact that it has an inconsistent inner and outer diameter (wide and narrow areas every few feet). This makes it versatile, mainly for cutting sections to transition between unequal barbed connectors. For example, connecting a small barbed adapter from a chest drain to a large barbed adapter on a Pleur-Evac suction set. It is very handy to keep a section of Bubble Tubing in the clinic for a variety of unpredictable needs related to stomach tubes, feeding tubes, chest tubes, O₂ delivery, etc.

DESCRIPTION	ITEM #	PRICE
3 Foot Length, Sterile	BT03	\$5.00
20 Foot Length, Non-sterile	BT20	\$20.00



Chest Tube Adapter with Stopcock

- The **leak proof** adapter is assembled to include a three-way stopcock, clamp and barbed adapter for 18-34Fr tubes.
- Fits most flare-end chest tubes.
- Can be used with a variety of patient tubes such as drains and nasogastric.

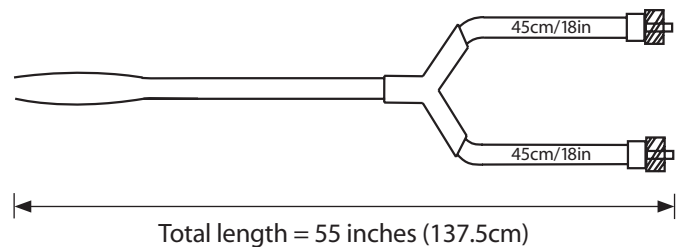
DESCRIPTION	ITEM #	PRICE
16Fr x 17cm (7in)	175420	\$10.00
20Fr x 25cm (10in)	175425	\$10.00



Suction Connector for Bilateral Chest Tubes

IMPROVED - Longer length. This set connects bilateral chest tubes to a single vacuum source. Luers allow easy disconnect and reconnect. Bubble tubing can be cut to accommodate various underwater seal sets. Works well with items #175420 and #175425 (Chest Tube Adapter with Stopcock.)

DESCRIPTION	ITEM #	PRICE
20Fr Suction Set	175800	\$14.00

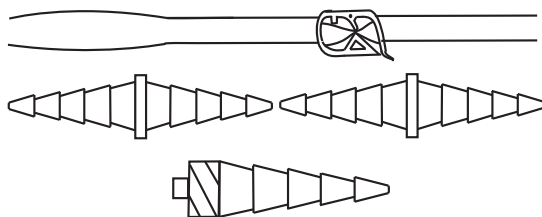


Chest Tube Adapter for Suction Systems

Securely connect female luer lock or funnel style chest tubes to suction systems from other manufacturers (e.g. Pleur-Evac and Thoraseal). The set contains christmas tree adapters and bubble tubing that can be trimmed to fit the suction device.

DESCRIPTION	ITEM #	PRICE
Male Luer Lock Christmas Tree & Dual Christmas Tree Adapter - includes one luer lock adapter, two dual adapters and bubble tubing with clamp.	175380	\$7.00

175380
(formerly item number 175300)

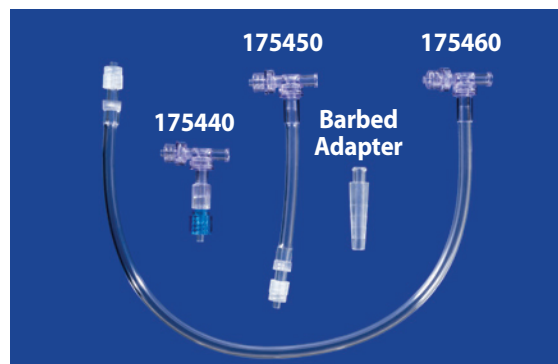


Centesis Adapter – Automatic 3-Way

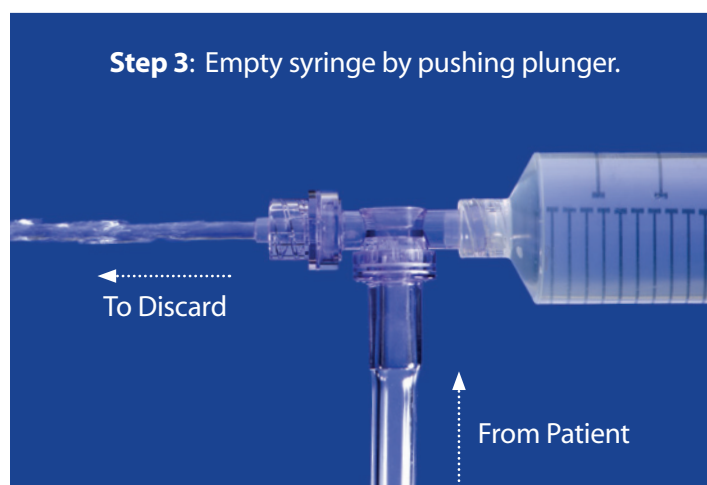
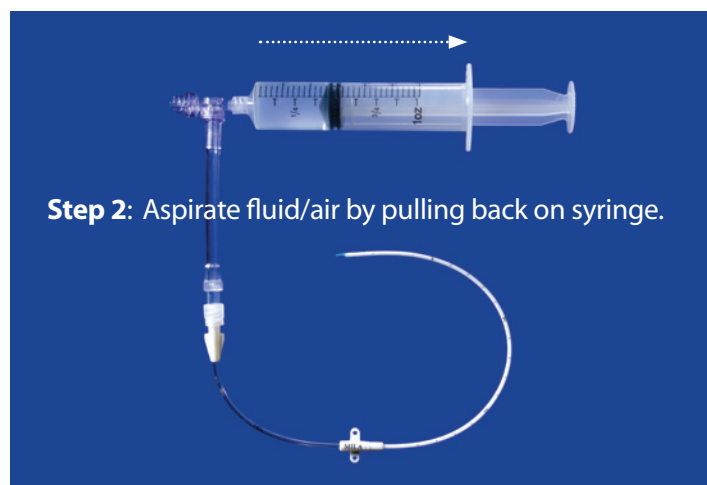
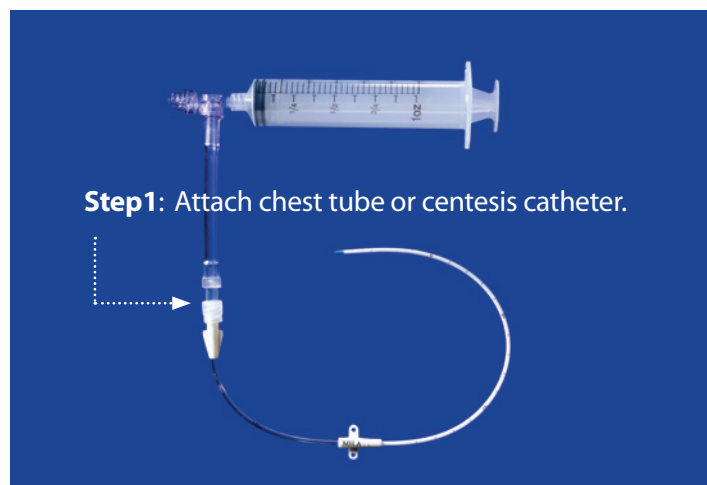
Drainage Bag Added

- **COLLECTION BAG** - 1000ml, 15in/38cm drain line with luer lock, anti-reflux valve and fluid drain port.
- Unique valve allows aspiration and evacuation without disconnecting the syringe and without turning a stopcock. SAVES TIME AND AVOIDS MISTAKES.
- Use as a chest tube adapter.
- Use for chest tap, belly tap or anytime you want to remove air or fluid.
- Includes a barbed adapter to fit 18-34Fr flared tubes.
- See page 75 for information on use for **TRANSFUSION** and **AUTOTRANSFUSION**.

DESCRIPTION	ITEM #	PRICE
Centesis Adapter with Spin Luer Lock - No Tube	175440	\$10.00
Centesis Adapter with total Length 12.5cm (5in)	175450	\$10.00
Centesis Adapter with total Length 40cm (16in)	175460	\$10.00
Without Collection Bag:		
Centesis Adapter with Spin Luer Lock	175440NB	\$10.00
Centesis Adapter with total Length 12.5cm	175450NB	\$10.00
Centesis Adapter with total Length 40cm	175460NB	\$10.00



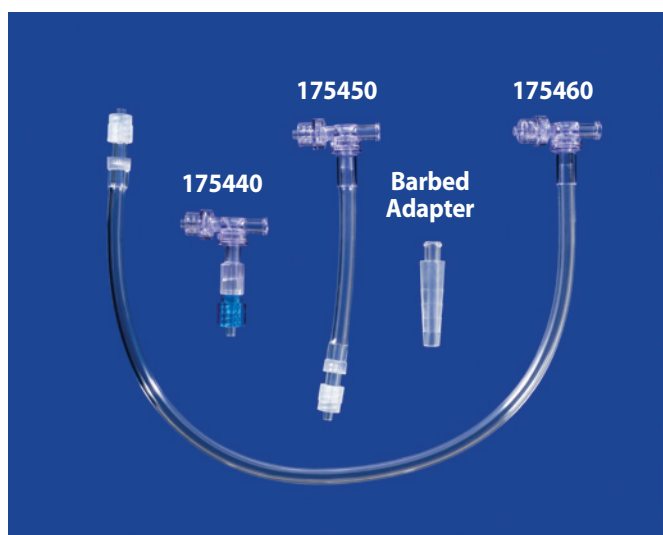
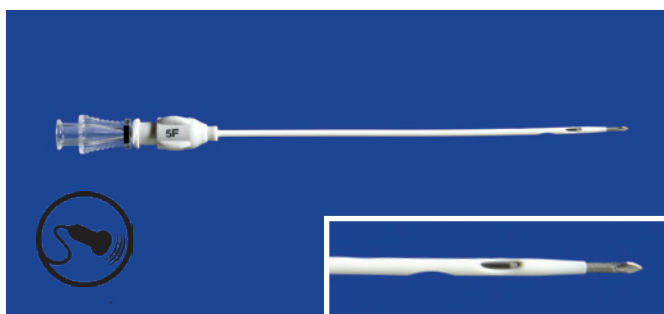
See MILA website for link to YouTube video.



Centesis Catheters (Fenestrated)

- Catheter-over-needle style with **smooth transition** from **needle to catheter** that aids in placement.
- **Three large skived holes** for maximum drainage and reduction of clogging.
- **Echogenic needle** with bevel indicator for visibility on ultrasound.
- Clear needle hub for flashback confirmation.

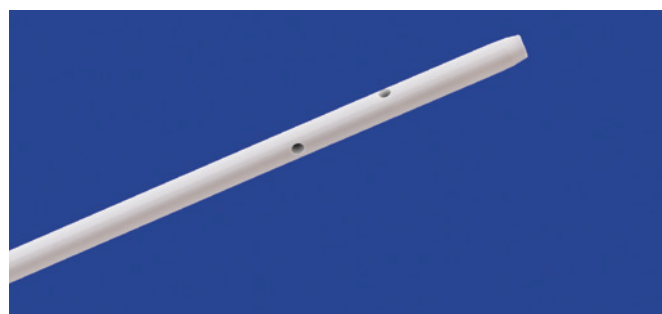
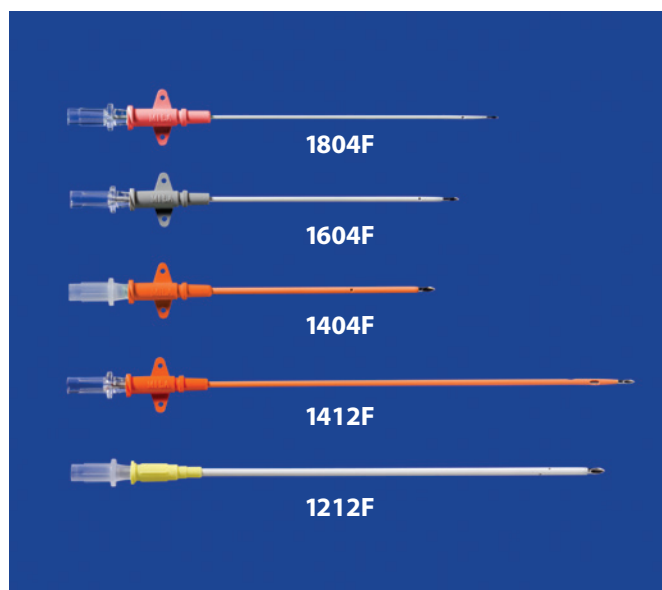
DESCRIPTION	ITEM #	PRICE
4Fr (18Ga) x 7cm (2.75in)	175042	\$15.00
4Fr (18Ga) x 10cm (4in)	175044	\$15.00
5Fr (16Ga) x 7cm (2.75in)	175052	\$15.00
5Fr (16Ga) x 10cm (4in)	175054	\$15.00
5Fr (16Ga) x 15cm (6in)	175056	\$15.00



For rapid drainage, see Automatic 3-Way on page 46.

- Catheter-over-needle style with smooth transition from needle to catheter that aids in placement.
- Fenestrated with an additional 3 side holes at the distal end. Item #1212F has 4 side holes.
- Ideal for tapping pericardial effusion in dogs.

DESCRIPTION	ITEM #	PRICE
18Ga x 9cm (3.5in)	1804F	\$10.50
16Ga x 7.5cm (3in)	1604F	\$11.00
14Ga x 9cm (3.5in)	1404F	\$11.00
14Ga x 13cm (5.25in)	1412F	\$11.00
12Ga x 13cm (5.25in)	1212F	\$11.00



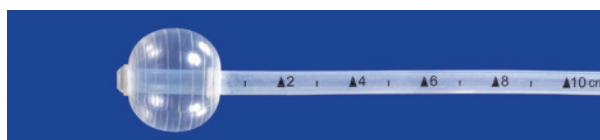
Fecal Management System

FOR COLLECTION OF LIQUID STOOL AND ODOR

The Fecal Management System is a 20Fr or 24Fr soft silicone catheter inserted into the rectal vault for collection of liquid stool. It is retained by an air inflated low pressure balloon. The proximal end of the tube attaches to a large bore collection bag.

- 20Fr for small and medium size dogs. Size is selected by approximating the normally formed stool size.
- 24Fr for medium and large size dogs. Size is selected by approximating the normally formed stool size.
- Reduces infection risk to other animals and humans.
- Measures liquid output.
- Greatly reduces clean up time.
- Retains the odor.

DESCRIPTION	ITEM #	PRICE
20Fr catheter, extension line, 3 collection bags	FM2000	\$60.00
24Fr catheter, extension line, 3 collection bags	FM2400	\$60.00
Replacement Bag	FMRB	\$15.00



"I am happy to have worked with MILA to help solve the problem of managing patients with liquid diarrhea. This system helps improve patient care, decrease technician time required keeping patients clean, helping prevent fecal scald, and odor management in addition to monitoring fluid losses to help guide therapy. Your technicians and patients will thank you for using the system."

Melissa Edwards DVM, DACVECC

Percutaneous Peritoneal Drain Kit (Peritoneal Dialysis)- Seldinger Placement

- **Recommended to stock both sizes on every Emergency Cart.**
- Use for Peritoneal Dialysis and other emergency drain needs.
- Non-surgical guidewire (Seldinger) introduction.
- Soft, biocompatible polyurethane catheter.
- Radiopaque.
- Kit includes introducer, guidewire, dilator, drain catheter (stiffening stylet in 12Fr), scalpel, drape, suture wing, 1000cc collection bag with line, sutures and gauze.

DESCRIPTION	ITEM #	PRICE
8Fr x 30cm (12in), Fenestrated up to 15cm	PPDK8Fr	\$42.00
12Fr x 30cm (12in), Fenestrated up to 16cm	PPDK12Fr	\$42.00



Heimlich Valve

- One-way valve.
- #H2900 is pillow style with male luer lock adapter and christmas tree adapter. Total pillow length is 12cm (5 inches).
- #H5300 is a semi-rigid cylinder style with christmas tree adapters. Total cylinder length is 16cm (6.5 inches).

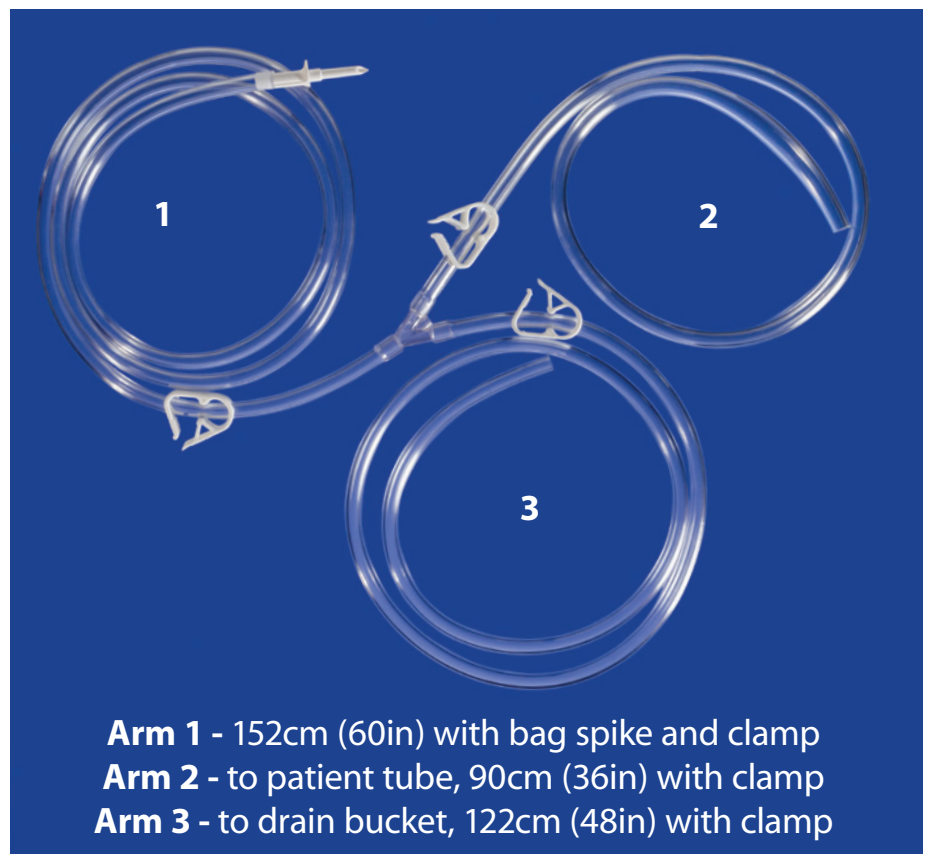
DESCRIPTION	ITEM #	PRICE
Pillow style, 5 inches long, 12-30Fr tubes	H2900	\$8.00
Semi-rigid cylinder to fit 20-40Fr tubes	H5300	\$11.25



Flushing Wye Set for Large Chest Tubes

Flush large chest tubes with this large bore (6.35mm ID) wye set.

ITEM #CTF6	\$11.00
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STIMPOD 450X

- Universal handheld system designed to provide functionality for nerve location, with add-on cables for nerve mapping and neuromuscular blocking agent monitoring. *All cables sold separately.*
- Ability to vary frequency/pitch, pulse width and current.
- Visual and audible feedback is given when the target current and pulse width ranges are reached indicating probable nerve proximity.
- Displays real time graphical representation of the actual waveform delivered. Pause mode allows changing stimulus parameters without stimulating.
- Non-linear current adjustment. User can pre-program 20 different current and pulse width settings.
- Items needed for basic nerve stimulation are #NB-STIM, #NBMP, and #NBCC.

See MILA website for information about educational courses.

Add-on Cables:

- Nerve Mapping Probe (#NBMP) enables nerve location and transcutaneous nerve mapping at higher currents (to a maximum of 20mA), while the tip offers a contact surface small enough to ensure effective discrimination.
- Tri-axial accelerometer (#NBCA), which provides real time feedback of the strength of contraction of the affected limb (Train of Four, Double Burst and Post Tetanic Count modes only). The strength of each measured contraction is displayed graphically and the relevant ratios are calculated and displayed.

DESCRIPTION	ITEM #	PRICE
Stimpod NMS450X Stimulator with Carry Case	NB-STIM	\$1200.00
Nerve Location and Mapping Probe Cable	NBMP	\$200.00
NMBA Cable with Accelerometer	NBCA	\$250.00
Crocodile Clip for non-adhesive ground	NBCC	\$6.00



Stimulating Needles

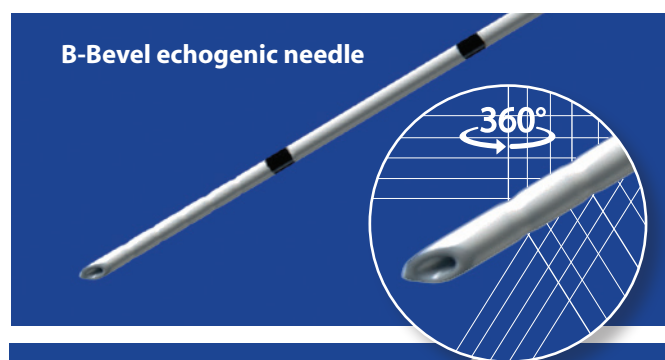
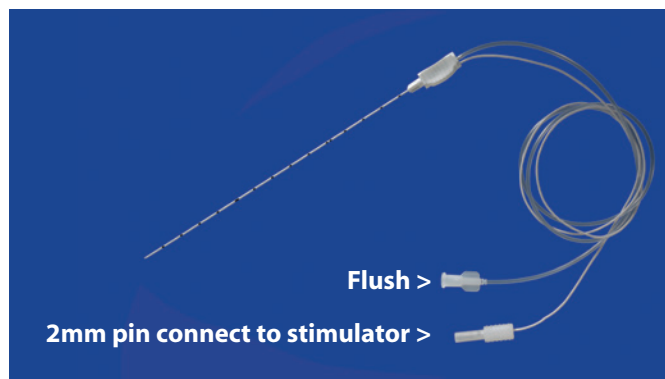


Stimulating nerve block needles are for acute pain management and to help increase overall nerve block success. Use with or without ultrasound guidance.

- 2mm pin connector is compatible with MILA Stimpod and most nerve stimulators.
- Insulated needle cannula with a stimulating tip allows for needle guidance using stimulation.
- B Bevel, echo needle tip designed to increase visibility under ultrasound guidance.
- Centimeter markings on the outer cannula to facilitate depth placement.

DESCRIPTION	ITEM #	PRICE
22Ga x 5cm (2in)	NB2205	\$11.75
21Ga x 8cm (3.1in)	NB2108	\$11.75
21Ga x 10cm (4in)	NB2110	\$11.75

See MILA website for information about educational courses.



Echogenic Needles for Ultrasound



Echogenic needles feature **360° dimple** reflectors located at the distal end of the needle that create a clear and more defined ultrasound image from any angle without compromising puncture characteristics.

NERVE BLOCK NEEDLES

- Use for nerve block injections.
- Clear needle tip visualization under ultrasound for safe and accurate needle placement.
- Needle bevel is 30° back-cut.

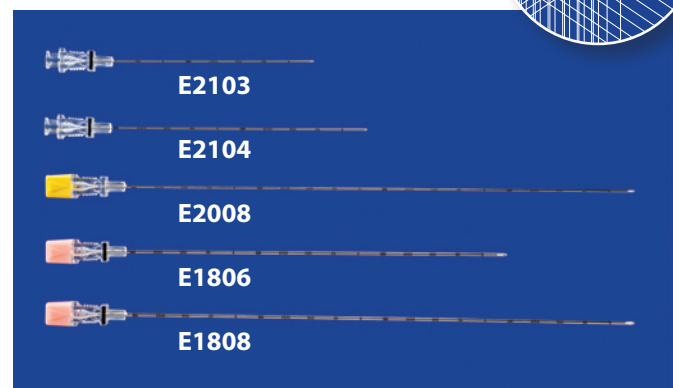
DESCRIPTION	ITEM #	PRICE
21Ga x 8cm (3.125in)	E2103	\$10.00
21Ga x 10cm (4in)	E2104	\$10.00



MSK/SPINAL NEEDLES

- Use for musculoskeletal and spinal injections.
- Clear needle tip visualization under ultrasound for safe and accurate needle placement.
- Needle bevel is Quincke style.

DESCRIPTION	ITEM #	PRICE
20Ga x 20cm (8in)	E2008	\$11.50
18Ga x 15cm (6in)	E1806	\$11.50
18Ga x 20cm (8in)	E1808	\$11.50

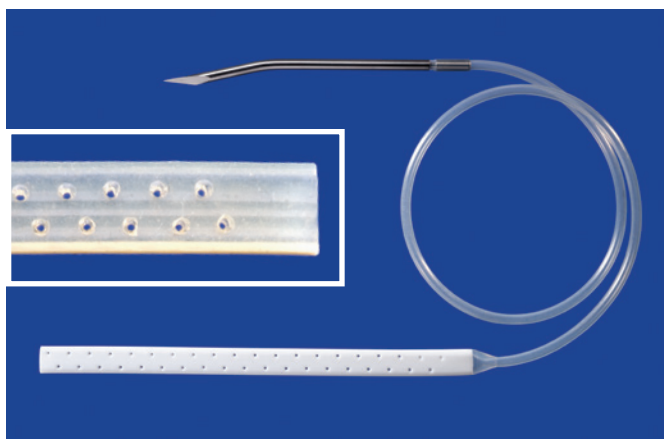


Jackson Pratt Drain with Trocar

- Silicone radiopaque drain with full perforations.
- Length of drain area = 20cm (8in), overall length 80cm (32in).
- Can trim both ends.

DESCRIPTION	ITEM #	PRICE
4.5mm with 8Fr (2.7mm) trocar	JP4	\$10.00
7mm with 15Fr (5.0mm) trocar	JP7	\$10.00
10mm with 15Fr (5.0mm) trocar	JP10	\$10.00
13mm with 16Fr (5.3mm) trocar	JP13	\$10.00

Select a suction grenade to complete the CLOSED system.

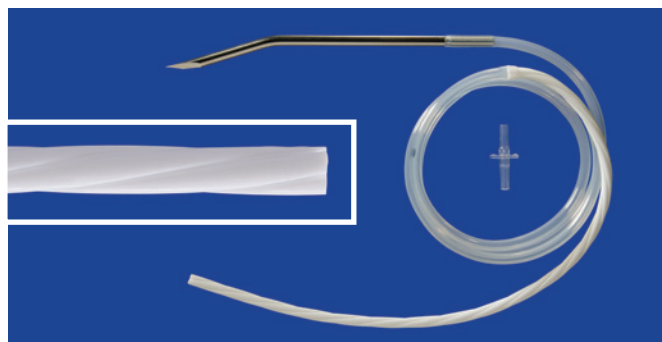


Spiral Drain with Trocar

- Silicone.
- Radiopaque, round, spiral fluted drain.
- Spiral design allows greater drainage area.
- Length of spiral area = 30cm (12in), overall length 90cm (36in).
- Can trim both ends.

DESCRIPTION	ITEM #	PRICE
7Fr (2.7mm) drain with 8Fr (2.7mm) trocar	SP07	\$13.00
10Fr (3.7mm) drain with 11Fr (3.7mm) trocar	SP10	\$13.00
12Fr (4.0mm) drain with 12Fr (4.0mm) trocar	SP12	\$13.00
15Fr (5.0mm) drain with 15Fr (5.0mm) trocar	SP15	\$13.00
19Fr (6.3mm) drain with 15Fr (5.0mm) trocar	SP19	\$13.00

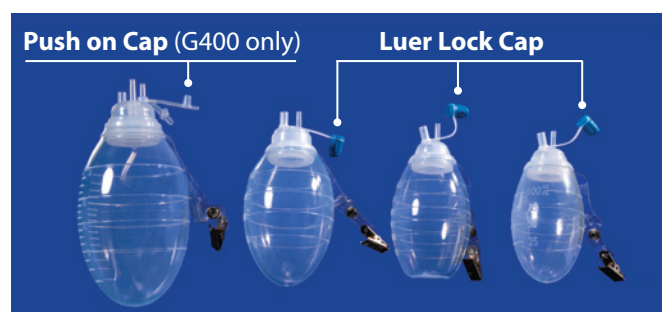
Select a suction grenade to complete the CLOSED system.



Grenade – Continuous Suction for Drains

- **Closed system for fluid collection.**
- Attach to all drains - Blake, Jackson Pratt and Spiral.
- Luer lock cap for secure closure and syringe emptying on the 100, 150 and 200cc. 400cc has a push on cap.
- Low pressure design provides continuous gentle suction and minimizes tissue trauma.
- Volume markings provide easy measurement.
- Internal anti-reflux valve to help prevent backflow of fluid to the patient.
- Metal clip for secure attachment.
- Silicone.

DESCRIPTION	ITEM #	PRICE
100cc suction bulb w/one-way valve	G100	\$15.00
150cc suction bulb w/one-way valve	G150	\$15.00
200cc suction bulb w/one-way valve	G200	\$15.00
400cc suction bulb w/one-way valve	G400	\$20.00



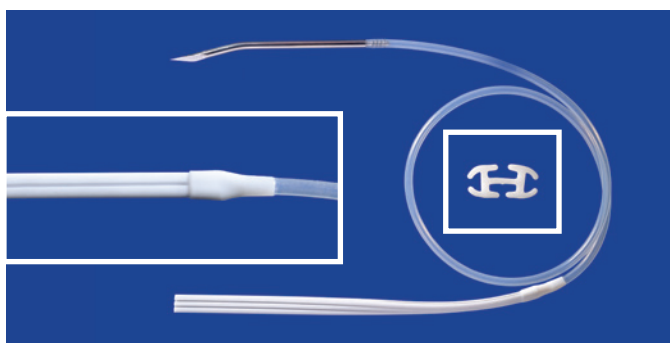
Blake Drain with Trocar



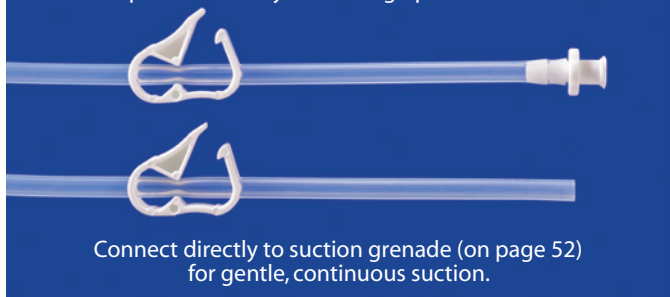
- Design of drain allows fluid to move through channels. The only suction is at the proximal end of the channels, so OMENTUM DOES NOT STICK.
- Silicone radiopaque fluted drain.
- Length of drain area = 20cm (8in), overall length 80cm (32in).
- Ideal for peritoneal dialysis.
- Can trim both ends.

DESCRIPTION	ITEM #	PRICE
8mm with 16Fr (5.3mm) trocar	BL8	\$15.00
11mm with 16Fr (5.3mm) trocar	BL11	\$15.00

Select a suction grenade to complete the CLOSED system.



Use optional female luer to connect to collection bag for peritoneal dialysis. See bag options below.



Connect directly to suction grenade (on page 52) for gentle, continuous suction.

Collection Bags

600cc Collection Bag - Improved with volume marks beginning with 50cc, male luer lock, and twist drain. ITEM #UC600 \$18.00

1000cc Collection Bag - Improved with volume marks beginning with 25cc, male luer lock, and twist drain. ITEM #UC1000 \$18.00



UC600



UC1000

Abdominal Drain with Blunt Trocar and Adapters

(Tubes with SHARP TROCAR on page 44)

- Blunt trocar for safe use in the abdomen.
- Open end with large side holes.
- Depth marks.
- PVC material.

DESCRIPTION	ITEM #	PRICE
16Fr x 21cm (8in)	DBT16	\$16.00
20Fr x 34cm (13.5in)	DBT20	\$16.00
24Fr x 34cm (13.5in)	DBT24	\$16.00
28Fr x 34cm (13.5in)	DBT28	\$16.00
32Fr x 34cm (13.5in)	DBT32	\$16.00



Sharp Trocar

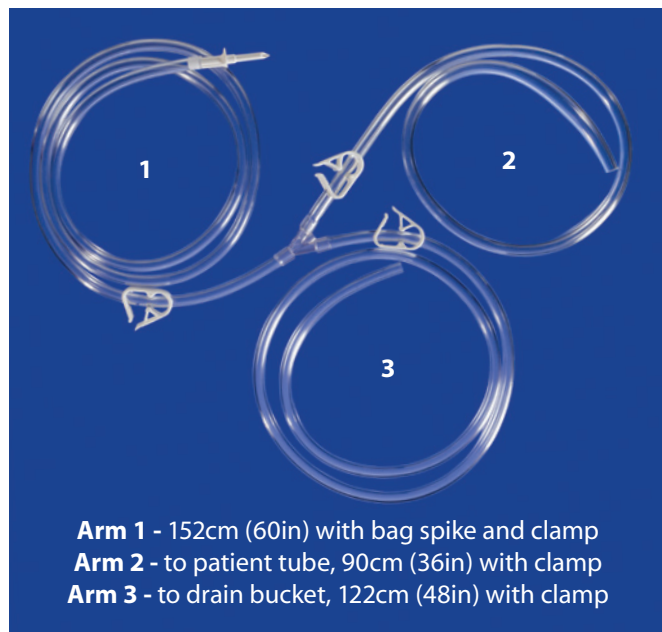
Blunt Trocar

Sharp Trocar Chest Drains on page 44.

Flushing Wye Set for Large Chest Tubes

Flush large chest tubes with this large bore (6.35mm ID) wye set.

ITEM #CTF6	\$11.00
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Arm 1 - 152cm (60in) with bag spike and clamp
 Arm 2 - to patient tube, 90cm (36in) with clamp
 Arm 3 - to drain bucket, 122cm (48in) with clamp

Grenade – Continuous Suction for Drain

- **Closed system for fluid collection.**
- Attach to all drains - Blake, Jackson Pratt and Spiral.
- Luer lock cap for secure closure and syringe emptying on the 100, 150 and 200cc. 400cc has a push on cap.
- Low pressure design provides continuous gentle suction and minimizes tissue trauma.
- Volume markings provide easy measurement.
- Internal anti-reflux valve to help prevent backflow of fluid to the patient.
- Metal clip for secure attachment.
- Silicone.

DESCRIPTION	ITEM #	PRICE
100cc suction bulb w/one-way valve	G100	\$15.00
150cc suction bulb w/one-way valve	G150	\$15.00
200cc suction bulb w/one-way valve	G200	\$15.00
400cc suction bulb w/one-way valve	G400	\$20.00



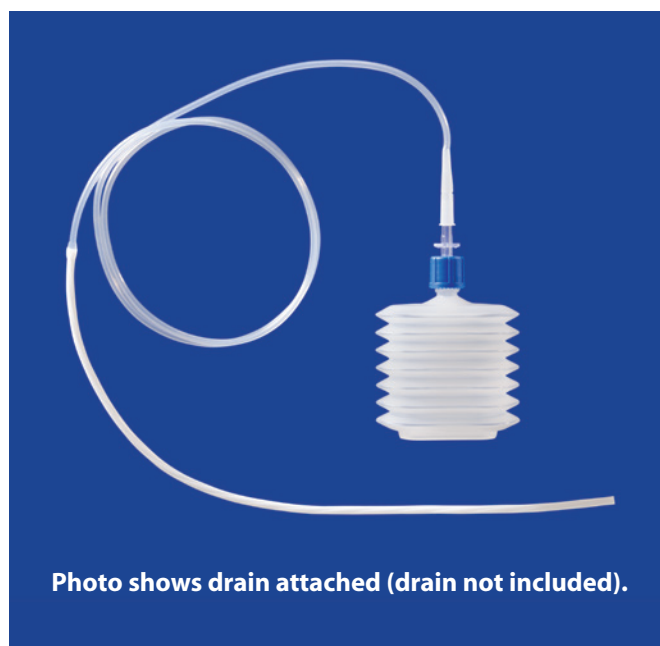
50ml Bellows Suction System



- 50ml Mini Grenade.
- Supplied with two adapters for connection to all drain sizes.
- Fits Blake, Jackson Pratt and Spiral Drains.
- Low pressure design provides continuous gentle suction and minimizes tissue trauma.

ITEM #G050

\$7.00

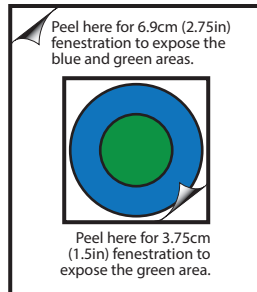


Pick & Peel Surgical Drape

Use for maintaining a sterile field for catheter placement. Each drape allows the user to select a 3.75cm (1.5in) or 6.9cm (2.75in) fenestration. Drape size 60cm x 60cm (24in x 24in).

- **Adhesive** apertures.
- Sterile, impervious, translucent film.
- Provides superb translucent protection from fluids with optimal drapeability.
- Helps keep patient warm.
- Can be used for small animal DENTAL procedures. Put animal snout through the aperture.

ITEM #PPD	\$5.00
ITEM #PPD10	(10 Pack) \$40.00



Ophthalmic Surgical Drape - Customizable

Use for maintaining a sterile field.

- Size 60cm x 60cm (24in x 24in).
- Rectangle **adhesive** area in center - 12cm (5in) x 15cm (6in).
- NO APERTURE. This allows the surgeon to customize the cut, as needed.
- Superb translucent film, impervious to fluids.
- Optimal drapeability.
- Helps keep patient warm.
- Sterile.

ITEM #OSD	\$3.50
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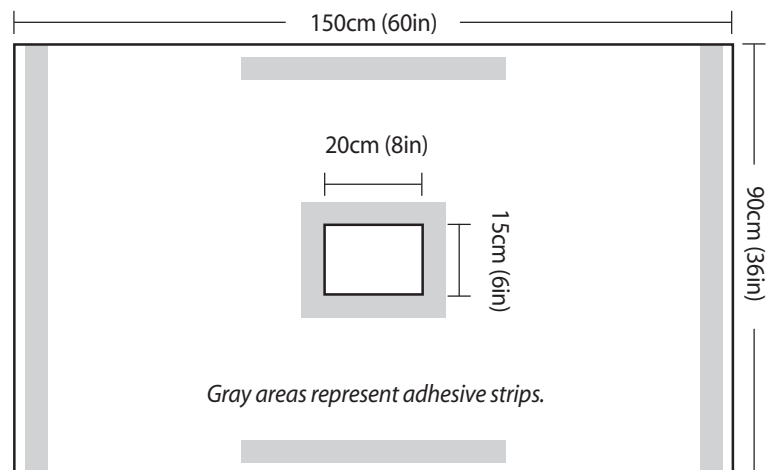
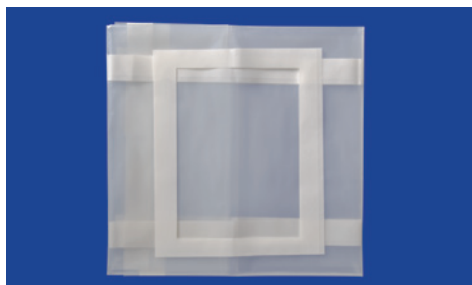


Equine Castration Drape

Drape size 150cm (60in) x 90cm (36in). Clear film with 20cm (8.25in) x 15cm (6in) adhesive fenestration and **adhesive strips**.

- **Adhesive strips** make this drape ideal for field use and many types of procedures.
- **Adhesive** aperture.
- Sterile, impervious translucent film.
- Provides superb translucent protection with optimal drapeability.
- Helps maintain patient temperature.

ITEM #ECD	\$6.00
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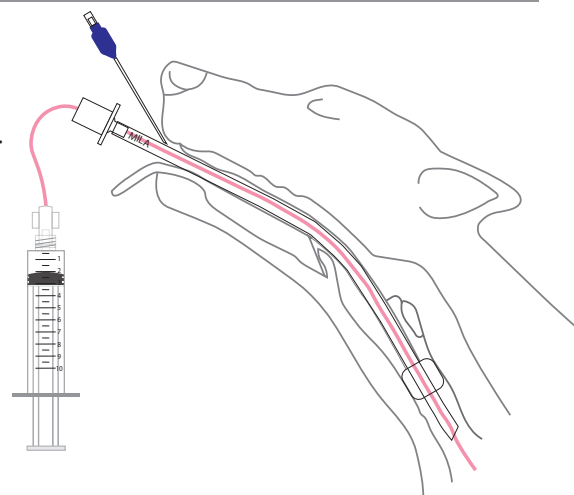


Tracheal Wash & Bronchoalveolar Lavage (BAL) – Small Animal

Blind Method (Tube through Sterile Endotracheal Tube)

- Radiopaque Pink Stripe
- Rounded, closed tip with eyelets.
- Smooth, polished surface inside and out.
- Centimeter markings on 8Fr sizes for precise depth placement.
- Does not completely obstruct the ET tube and allows some space for ventilation.

Use optional adapter, Item #SC15MM (see page 59), to ventilate while obtaining sample.



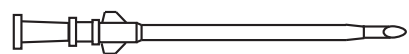
DESCRIPTION	ITEM #	PRICE	FITS STERILE ET TUBE SIZES	STERILE ET TUBE ITEM #*
3.5Fr x 40cm (16in)	PP316	\$4.00	2.0mm ID, up to 16.5cm in length	ETC20
5Fr x 40cm (16in)	PP516	\$4.00	2.5 - 4.5mm ID, up to 27cm in length	ETC25R-ETC45R
8Fr x 55cm (22in)	PP822	\$3.00	5.0 - 10.0mm ID, up to 38.5cm in length	ETC50R-ETC100R
8Fr x 108cm (42in)	PP842	\$3.00	10.0 - 11.0mm ID, up to 57.5cm in length	N/A

*Sterile Endotracheal Tubes on page 58.

Transtracheal Technique: Medium to Large Dogs

Catheter-over-needle insertion method. The semi-rigid flushing catheter has a stiffening stylet and luer adapter. The flushing catheter is packaged in a protective sleeve to allow handling without a glove.

Catheter-Over-Needle Introducer



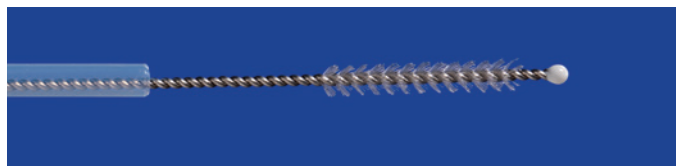
Flushing/Sampling Catheter



DESCRIPTION	ITEM #	PRICE
Medium Sized Dog - 16Ga x 41cm (16in) flushing catheter with 14Ga introducer	TW1616	\$24.00
Large Dog - 16Ga x 70cm (28in) flushing catheter with 14Ga introducer	TW1628	\$24.00

Cytobrush

Collects tissue samples from the bronchi and/or upper/lower GI tracts for the diagnosis of suspected pathology in the airway. See page 57 for additional information.



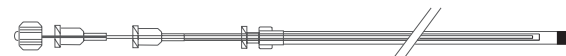
Endoscopic Guided BAL: Small and Large Animal

Single lumen catheter with female luer lock for medication delivery and sampling at any endoscope accessible site. To maintain sterility during placement, these sets contain a water soluble plug in the distal end.



DESCRIPTION	SCOPE CHANNEL SIZE	ITEM #	PRICE
2.3mm OD x 190cm (76in)	2.5mm	EDC190	\$11.00
1.8mm OD x 200cm (79in)	2.0mm	EDC200	\$11.00
2.3mm OD x 220cm (88in)	2.5mm	EDC220	\$11.00
2.3mm OD x 400cm (160in)	2.5mm	EDC400	\$11.00

Two and three lumen sampling catheters enable a sterile specimen retrieval via an endoscope. To maintain sterility during placement, these sets contain a glycol plug in the outer catheter. Once placed, the inner catheter is advanced for retrieval of the sterile specimen.



DESCRIPTION	SCOPE CHANNEL SIZE	ITEM #	PRICE
Two stage catheter			
1.8mm x 190cm (76in)	2.0mm	EMAC700	\$29.00
Two stage catheter			
1.8mm x 250cm (100in)	2.0mm	EMAC700L	\$34.00
Triple stage catheter			
2.3mm x 190cm (76in)	2.5mm	EMAC800	\$31.00

Tracheal Wash & Bronchoalveolar Lavage (BAL) – Large Animal

Transtracheal Technique: Large Dogs, Neonate Foals, Horses

Catheter-over-needle insertion method through the skin into the trachea. The semi-rigid flushing catheter has a stylet and luer adapter. The flushing catheter is packaged in a protective sleeve to allow handling without a glove.



Flushing/Sampling Catheter



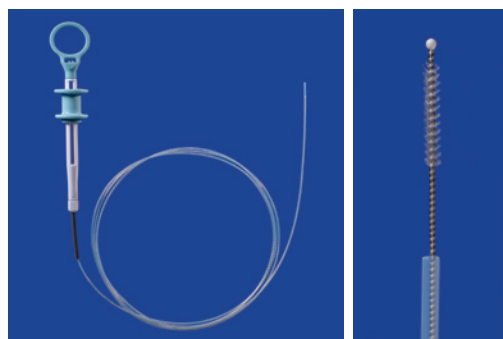
DESCRIPTION	ITEM #	PRICE
HORSES/FOALS - 12Ga x 70cm (28in) flushing catheter with 10Ga introducer	TW1228	\$32.00
NEONATE FOALS/LARGE DOGS - 16Ga x 70cm (28in) flushing catheter with 14Ga introducer.	TW1628	\$24.00

Cytobrush: Small and Large Animal

Cytobrush collects tissue samples from the bronchi and/or upper/lower gastrointestinal tracts for the diagnosis of suspected pathology in the airway.

- Tube within a tube design. The outer tube has a water soluble glycol plug in the distal end to protect the inner lumen brush from contamination as it travels through the endoscope channel. When the sample site is reached, the forward motion of the inner tube safely expels the plug and deploys the brush. After sample collection, the brush is retracted into the outer tube and removed from the scope channel.
- Sheathed catheter with plug for sample protection is 1.8mm x 180cm.
- 10mm bristled brush with outside diameter of 2mm and radiopaque distal end cap.
- Handle with ring provides easy deployment and retraction of brush.

DESCRIPTION	SCOPE CHANNEL SIZE	ITEM #	PRICE
1.8mm x 180cm (72in)	2.0mm	CYT180	\$13.50



Bronchoalveolar Lavage (BAL)

- Open-end, silicone, heavy wall, radiopaque catheter for the lavage of selected lung segments using the nasotracheal approach.
- Distal balloon can be inflated to prevent retrograde fluid flow around the tube. Fill according to clinic protocol.
- Proximal two-way fitting allows simultaneous connection for both irrigation and aspiration. One stopcock included.
- Reuse of silicone tube requires sterilization and replacing stopcock.



DESCRIPTION	ITEM #	PRICE
10mmOD, 2.5mmID, 240cm (96in)	BAL240	\$74.00
10mmOD, 2.5mmID, 300cm (120in)	BAL300	\$74.00
Replacement Stopcock (10 pack) <i>RECOMMENDED</i>	2400	\$36.00
Controlled Flushing Set - to administer flush aliquots from a bag rather than multiple syringes. - see page 72	CFS36	\$15.00

Non-Cuffed

- Silicone Material - MRI Compatible
- Radiopaque
- Reusable
- Ethylene Oxide Sterilization Recommended

Proximal fitting accepts a 15mm adapter.

DESCRIPTION	ITEM #	PRICE
1.0mm ID x 9.5cm tube with wire stylet	ETN10	\$15.00
1.5mm ID x 10cm tube with wire stylet	ETN15	\$15.00

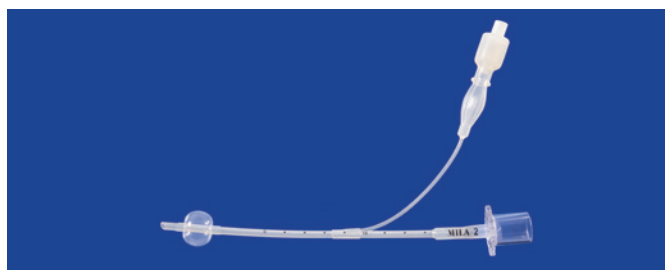


Cuffed

- Silicone Material - MRI Compatible
- Reusable
- Ethylene Oxide Sterilization Recommended
- Low Pressure, High Volume Cuff



DESCRIPTION	ITEM #	PRICE
2mm ID, 4.0mm OD - 12Fr x 14cm (5.5in)	ETC20	\$42.00



Low Dead Space Endotracheal Tube Adapter

- 15mm connector with luer lock sampling side port to replace standard 15mm adapter on endotracheal tubes.
- Low dead space design decreases the mechanical dead space and subsequent CO₂ rebreathing.
- Allows for administration of medications and surfactants as well as monitoring of pressure and gas.

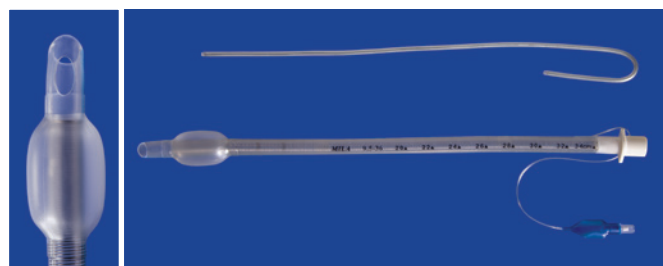
DESCRIPTION	ITEM #	PRICE
2.5mm ID	ETA25	\$3.75
3.0mm ID	ETA30	\$3.75
3.5mm ID	ETA35	\$3.75
4.0mm ID	ETA40	\$3.75
4.5mm ID	ETA45	\$3.75
5.0mm ID	ETA50	\$3.75
6.0mm ID	ETA60	\$3.75
7.5mm ID	ETA75	\$3.75
8.0mm ID	ETA80	\$3.75
9.0mm ID	ETA90	\$3.75



Reinforced Endotracheal Tubes with Malleable Stylet

- Reinforced with embedded wire coils to provide safe, NON-KINKING airway regardless of patient position.
- Constructed of medical grade, non-toxic PVC material allowing for thinner walls.
- **Malleable stylet included** for increased rigidity and variable shape.
- Latex free.
- High volume, low pressure cuff.
- Radiopaque.
- Fully transparent.
- Atraumatic bevel tip with lateral Murphy eye.
- 15mm connector included.

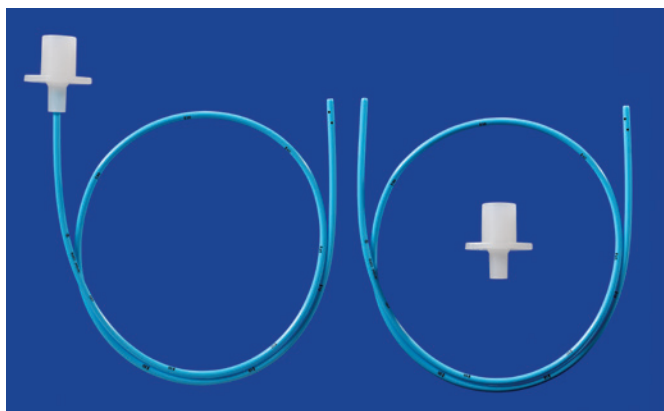
DESCRIPTION	ITEM #	PRICE
2.5mm ID, 4.5mm OD - 13Fr x 19.5cm (7.6in)	ETC25R	\$18.00
3.0mm ID, 5.0mm OD - 15Fr x 20.5cm (8.1in)	ETC30R	\$18.00
3.5mm ID, 5.7mm OD - 17Fr x 22cm (8.7in)	ETC35R	\$18.00
4mm ID, 6.1mm OD - 18Fr x 23.5cm (9.3in)	ETC40R	\$18.00
4.5mm ID, 6.7mm OD - 20Fr x 24.5cm (9.6in)	ETC45R	\$18.00
5mm ID, 7.4mm OD - 22Fr x 26cm (10.2in)	ETC50R	\$18.00
5.5mm ID, 7.9mm OD - 24Fr x 27.5cm (10.8in)	ETC55R	\$18.00
6mm ID, 8.5mm OD - 25Fr x 30cm (11.8in)	ETC60R	\$18.00
6.5mm ID, 9.1mm OD - 27Fr x 31cm (12.2in)	ETC65R	\$18.00
7mm ID, 9.5mm OD - 28Fr x 32cm (12.6in)	ETC70R	\$18.00
7.5mm ID, 10.2mm OD - 31Fr x 36cm (14.2in)	ETC75R	\$18.00
8mm ID, 11mm OD - 33Fr x 36cm (14.2in)	ETC80R	\$18.00
8.5mm ID, 11.7mm OD - 35Fr x 36cm (14.2in)	ETC85R	\$18.00
9mm ID, 12.3mm OD - 37Fr x 36cm (14.2in)	ETC90R	\$18.00
9.5mm ID, 13mm OD - 39Fr x 36cm (14.2in)	ETC95R	\$18.00
10mm ID, 13.7mm OD - 41Fr x 36cm (14.2in)	ETC100R	\$18.00



Airway/ET Tube Exchange Catheter

- Intended for uncomplicated atraumatic endotracheal tube exchange.
- Useful for oxygenating during fluoroscopy.
- 15mm adapter for temporary oxygen delivery, NOT for ventilating the patient.
- 15mm adapter is removed to slide ET tubes out and in.
- Centimeter markings for alignment with endotracheal tube markings.
- Polished, atraumatic, open-ended catheter with side holes.

DESCRIPTION	ITEM #	PRICE
8Fr x 80cm (32in)	ETE0880	\$28.00
10Fr x 80cm (32in)	ETE1080	\$28.00
10Fr x 150cm (60in)	ETE10150	\$28.00
15Fr x 80cm (32in)	ETE1580	\$28.00



Atomizer / Throat Sprayer

Deliver topical anesthetic to the nose, throat, hypopharynx, vocal cords, larynx and trachea prior to airway manipulation such as intubation, endoscopy, rhinoscopy and soft palate exam. The benefit is a reduced gag and sensation, reduced pulse and blood pressure response to intubation.

- Atomize medication into a fine mist of particles 50-80 microns.
- 15Fr (4.7mm) tip x 6.5 inch (15cm) malleable, conformable tube for targeted deposition of medication.
- 5cc syringe is recommended for accurate dosing and proper pressure.
- Priming volume is 0.2ml.
- Use a 3ml syringe for a minimum forecast distance of 100mm upon exiting the sprayer tip under 25Kpa pressure to form an area of diameter of no less than 70mm.

ITEM #5380

\$4.75



"The device makes endoscopy work within the nasal cavity, soft palate, larynx and pharynx much easier by distributing a fine mist of lidocaine or lidocaine/phenylephrine."

"We also use the device to distribute same mixture in hard to reach surgical areas such as otic canals, wound flaps, urogenital tracts, and to atomize topical local anesthetics and hemostatic agents to bleeding tumors and dermatitis sites."

Andrea Looney, DVM, DACVAA, DACVSMR
Anesthesia Services, IVG Hospitals, Woburn, MA

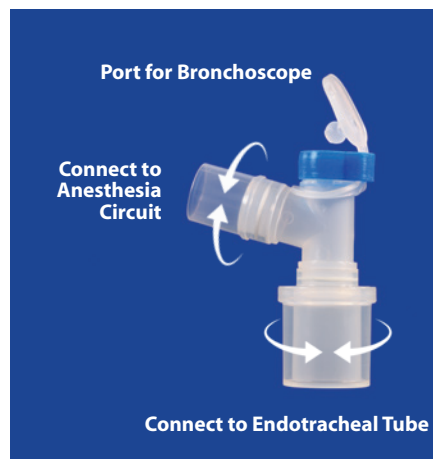
Double Swivel Tracheal Tube Connector with Capped Port, 15mm

Designed to facilitate introduction of fiber optic bronchoscope during mechanical ventilation.

- Silicone port with cap allows easy passage of fiber optic scope for bronchoscopy.
- Allows for suction catheter without disconnecting from ventilator.
- Maintains seal around scope during bronchoscopy procedure. Seal accepts bronchoscope diameters from 3.4 to 5.9mm.
- 360° Double Swivel Feature: Both the male and female 15mm connectors allow greater patient maneuverability between endotracheal tube and anesthesia circuit.

ITEM #SC15MM

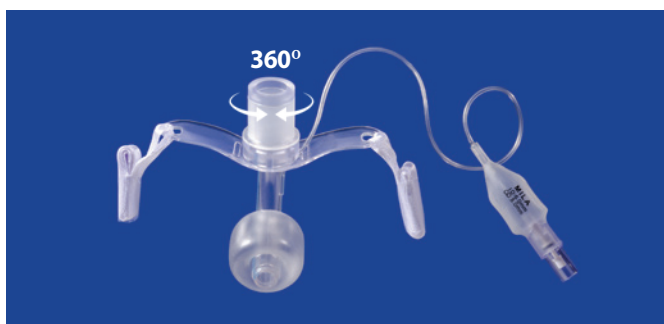
\$7.00



Cuffed

- Low Pressure Cuff
- Strap

DESCRIPTION	ITEM #	PRICE
3.5mm ID x 4.8mm OD - Length 40mm	TTC35	\$27.00
4.0mm ID x 5.4mm OD - Length 41mm	TTC40	\$27.00
4.5mm ID x 6.1mm OD - Length 42mm	TTC45	\$27.00
5.0mm ID x 6.7mm OD - Length 44mm	TTC50	\$27.00
5.5mm ID x 7.4mm OD - Length 46mm	TTC55	\$27.00

**Cuffed with Obturator, and Inner Cannula**

- Obturator.
- TWO Inner Cannulas with 15mm Connector - Can be switched out for cleaning and therefore safer practice.
- Cap, Brush and Strap.

DESCRIPTION	ITEM #	PRICE
5mm ID x 8.6mm OD - Length 66mm	TTCIC50	\$27.00
Additional Cannula - 5mm ID - with 15mm connector	IC50	\$9.00
6mm ID x 9.2mm OD - Length 71mm	TTCIC60	\$27.00
Additional Cannula - 6mm ID - with 15mm connector	IC60	\$9.00
7mm ID x 10.4mm OD - Length 73mm	TTCIC70	\$27.00
Additional Cannula - 7mm ID - with 15mm connector	IC70	\$9.00
8mm ID x 11.4mm OD - Length 76mm	TTCIC80	\$27.00
Additional Cannula - 8mm ID - with 15mm connector	IC80	\$9.00

For Non-Cuffed with inner cannula, leave cuff deflated.

**Cuffed**

- Obturator
- Low Pressure Cuff
- Strap

DESCRIPTION	ITEM #	PRICE
6.0mm ID x 8mm OD - Length 53mm	TTC60	\$27.00
6.5mm ID x 8.7mm OD - Length 55.5mm	TTC65	\$27.00
7.0mm ID x 9.4mm OD - Length 64.5mm	TTC70	\$27.00
7.5mm ID x 10.1mm OD - Length 70.5mm	TTC75	\$27.00
8.0mm ID x 10.8mm OD - Length 74.5mm	TTC80	\$27.00
8.5mm ID x 11.5mm OD - Length 77.5mm	TTC85	\$27.00
9.0mm ID x 12.2mm OD - Length 87mm	TTC90	\$27.00
9.5mm ID x 12.9mm OD - Length 90.5mm	TTC95	\$27.00
10.0mm ID x 13.6mm OD - Length 93mm	TTC100	\$27.00

**Non-Cuffed with 15mm Spinning Connector**

DESCRIPTION	ITEM #	PRICE
2.5mm ID x 3.4mm OD - Length 38mm	TTNC25	\$27.00
3.0mm ID x 4.1mm OD - Length 39mm	TTNC30	\$27.00
3.5mm ID x 4.8mm OD - Length 40mm	TTNC35	\$27.00
4.0mm ID x 5.4mm OD - Length 41mm	TTNC40	\$27.00
4.5mm ID x 6.1mm OD - Length 42mm	TTNC45	\$27.00
5.0mm ID x 6.7mm OD - Length 44mm	TTNC50	\$27.00
5.5mm ID x 7.4mm OD - Length 46mm	TTNC55	\$27.00



Epidural Pain Management Kit



- Epidural catheter with wire stylet.
- 20Ga catheter is 90cm/36in, 24Ga catheter is 25cm/10in.
- Closed end with side holes.
- Cut to desired length - catheter will not crush.
- Kit includes catheter with wire stylet, tuohy introducer needle, loss of resistance syringe, 0.2 micron bacteria filter, luer lock catheter clamp, suture wing, blade, drape and tape measure.

DESCRIPTION	ITEM #	PRICE
24Ga catheter - 20Ga x 4.5cm (1.75in) tuohy needle	9243	\$39.00
20Ga catheter - 18Ga x 7.5cm (3in) tuohy needle	9203	\$39.00
20Ga catheter - 18Ga x 15cm (6in) tuohy needle	9206	\$39.00



 Placement of an Epidural Catheter for Pain Management
Shane Bateman DVM, DVSc, DACVECC

Stimpod 450X

Universal handheld system designed to provide functionality for nerve location, with add-on cables for nerve mapping and neuromuscular blocking agent monitoring.

See page 50 for details.



Diffusion Catheter/Soft Tissue Incision Catheter



- 16Ga x 30cm (12in) radiopaque polyurethane catheter with micro ports in the distal end to evenly disperse fluid over 2 inches, 4 inches, 6 inches, 7.5 inches or 9 inches.
- Placed deep within tissue to deliver local anesthetics to the surgery site for several days.
- Surgically place in the deepest layer of closure, or by using a 5Fr (#4205 or 4205.5) peel-away introducer for wounds.
- Ideal for amputation incisions, traumatic wounds, mammary strips, total ear canal ablation and thoracic/sternal surgery.
- Use with MILA administration pump (see page 66), a syringe or IV pump for continuous infusion.

DESCRIPTION	ITEM #	PRICE
2in (5cm) Dispersion Area Catheter length = 11cm (4.5in)	DIFF2	\$21.00
4in (10cm) Dispersion Area	DIFF4	\$21.00
6in (15cm) Dispersion Area	DIFF6	\$21.00
7.5in (18cm) Dispersion Area	DIFF7	\$21.00
9in (22.5cm) Dispersion Area	DIFF9	\$21.00
.2 Micron Filter (10 pack) Individually packed / sterile	2420	\$47.00



Opioid free soft tissue pain management.



Diffusion Catheters - Protocol/Illustrations

Emily McCobb DVM MS DACVA

Tufts Veterinary Treatment and Specialties - Walpole, Massachusetts



Diffusion - Wound Discussion and Dosages

Emily McCobb DVM MS DACVA, Alicia Z. Karas DVM MS DACVA

Lois Wetmore DVM DSC DACVA, Cheryl A. Blaze BVSc PhD MBA DACVA DVA

Photo courtesy of William Muir DVM, PhD, The Ohio State University

Closed Medication System PROTECT VETERINARY HEALTHCARE PERSONNEL



Simple and Economical. The MILA CHEMA Safety System is designed to fully protect veterinary healthcare personnel from exposure to hazardous drugs. The system allows for safe handling of hazardous injectable drugs while optimizing safety, simplicity and the cost of care. The use of a closed system transfer device in conjunction with other safety precautions is a proven way to increase safety levels when preparing, transporting, administering and disposing of hazardous drugs.

Closed Male Luer Valve

- Needle-free luer locks to any luer syringe to control exposure during drug transport.
- Drip free disconnection.
- Passive safety system that locks and closes the fluid path upon disconnection.
- Simple **permanent** locking feature prevents disconnection and reduces exposure.
- 0.06ml priming volume.
- Single Use.
- Item #12-007, \$3.25 each



Closed Female Luer Valve

- Needle-free female luer connects onto any needle or catheter. Designed to reduce exposure after drug infusion.
- Drip free disconnection.
- 0.06ml priming volume.
- Single Use.
- Item #12-004, \$1.75 each



Infusion Access Device Spike with Closed Female Luer

- Use with standard IV bags, glass bottles and other rigid containers.
- IV spike with closed female luer for adding chemo drugs to bag or bottle.
- Drip free disconnection.
- Single Use.
- Item #12-008, \$3.50 each



Accessories

EZ Fill - Syringe to Syringe Transfer Device

Item #12-006, \$5.00 each



Closed Valve Three-Way Stopcock

Item #12-055, \$6.25 each



Administration Sets

- Universal spike, 224cm (88in) tubing, roller clamp, slide clamp, one injection site located **11 inches** above distal end, spin connector.
Priming volume = 25.6ml, 10 drops/ml.
Item #175250, \$3.50 each
- Universal spike, 261cm (103in) tubing, roller clamp, slide clamp, **two injection sites located 9 inches and 87 inches** above distal end, spin connector.
Priming volume = 28ml, 10 drops/ml.
Item #175255, \$4.00 each



Closed System Transfer Device PROTECT VETERINARY HEALTHCARE PERSONNEL

Closed Vial Access Adapter

- **100 % protection** against aerosols and vapors.
- Drip free.
- **Mechanically and microbiologically closed** with no coring needles.
- More durable, closed expansion chamber for collection of drug vapors.
- No need to prime valve with non-filtered air.
- Multi-use, vapor free with drip free connector.
- 0.2 micron bacteria filter for atmospheric air going into the closed system.
- Non-coring plastic spike with **pressure equalization** 0.2 micron one-way filter.
- **New spike design** results in lower attachment force when connecting to the vial and creates a permanent locking feature that prevents disconnection of the vial adapter from the vial.
- 0.10ml priming volume.
- 13mm = Item #12-009, \$4.75 each | 20mm = Item #12-010, \$4.50 each



Next generation product is yellow to indicate hazardous drugs combined with pending advanced efficacy claims in accordance to USP800.

Closed Vial Access Adapter – 13mm

- 13mm
- **Low residual.**
- Item #12-100 \$4.75

See MILA website for link to YouTube video.

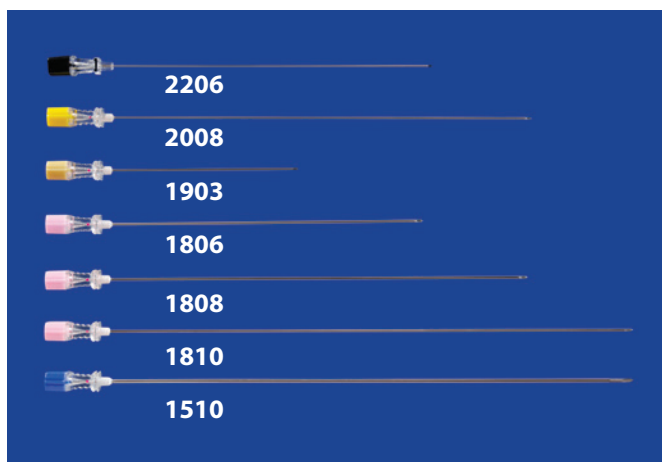


DESCRIPTION	ITEM #	PRICE
Closed Female Luer Valve	12-004	\$1.75
EZ Fill - Syringe to Syringe Transfer Device	12-006	\$5.00
Closed Male Luer Valve	12-007	\$3.25
Infusion Access Device Spike	12-008	\$3.50
13mm Closed Vial Access Adapter	12-009	\$4.75
20mm Closed Vial Access Adapter	12-010	\$4.50
Closed Valve Three-Way Stopcock	12-055	\$6.25
13mm Closed Vial Adapter - Low Residual	12-100	\$4.75
IV Administration Set with One Injection Site	175250	\$3.50
IV Administration Set with Two Injection Sites	175255	\$4.00

Spinal Needles

Spinal needles with marked and notched hub for easy tip orientation.

DESCRIPTION	ITEM #	PRICE
22Ga x 15cm (6in)	2206	\$9.00
20Ga x 20cm (8in)	2008	\$10.00
19Ga x 8.75cm (3.5in)	1903	\$3.00
18Ga x 15cm (6in)	1806	\$8.00
18Ga x 20cm (8in)	1808	\$10.00
18Ga x 25cm (10in)	1810	\$11.00
15Ga x 25cm (10in)	1510	\$14.00



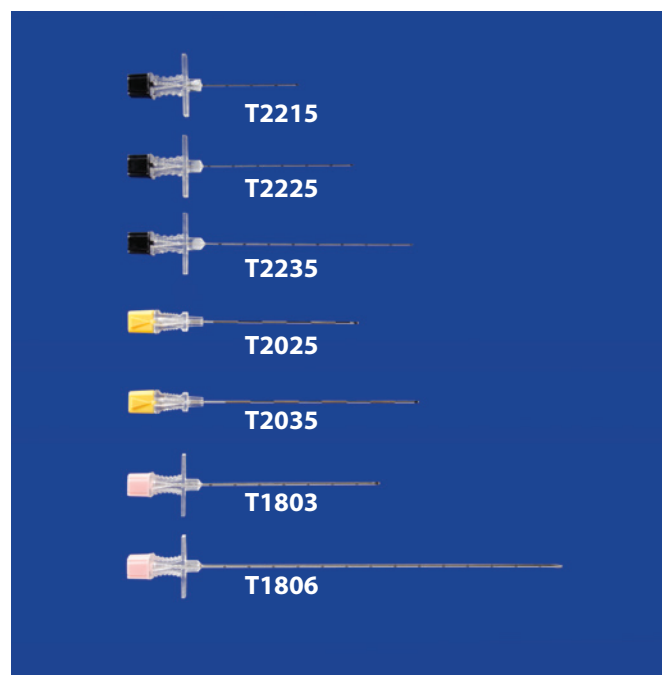
Echogenic Stimulating Needles for use with nerve stimulator on page 51.

DESCRIPTION	ITEM #	PRICE
22Ga x 5cm (2in)	NB2205	\$11.75
21Ga x 8cm (3.1in)	NB2108	\$11.75
21Ga x 10cm (4in)	NB2110	\$11.75

Tuohy Needles

Tuohy needles with marked and notched hub for easy tip orientation.

DESCRIPTION	ITEM #	PRICE
22Ga x 4cm (1.5in)	T2215	\$7.00
22Ga x 6.25cm (2.5in)	T2225	\$7.00
22Ga x 8.75cm (3.5in)	T2235	\$7.00
20Ga x 6.25cm (2.5in)	T2025	\$7.00
20Ga x 8.75cm (3.5in)	T2035	\$7.00
18Ga x 8.75cm (3.5in)	T1803	\$10.00
18Ga x 15cm (6in)	T1806	\$11.00



Echogenic Needles for Ultrasound



Echogenic needles feature 360° dimple reflectors located at the distal end of the needle that create a clear and more defined ultrasound image from any angle without compromising puncture characteristics.

NERVE BLOCK NEEDLES

- Use for nerve block injections.
- Clear needle tip visualization under ultrasound for safe and accurate needle placement.
- Needle bevel is 30° back-cut.

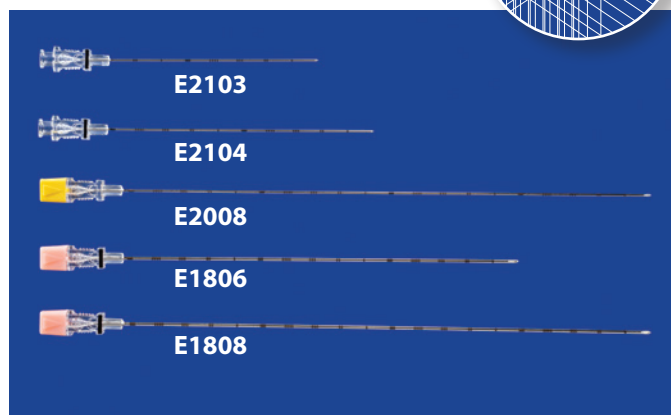
DESCRIPTION	ITEM #	PRICE
21Ga x 8cm (3.125in)	E2103	\$10.00
21Ga x 10cm (4.0in)	E2104	\$10.00



MSK/SPINAL NEEDLES

- Use for musculoskeletal and spinal injections.
- Clear needle tip visualization under ultrasound for safe and accurate needle placement.
- Needle bevel is Quincke style.

DESCRIPTION	ITEM #	PRICE
20Ga x 20cm (8in)	E2008	\$11.50
18Ga x 15cm (6in)	E1806	\$11.50
18Ga x 20cm (8in)	E1808	\$11.50

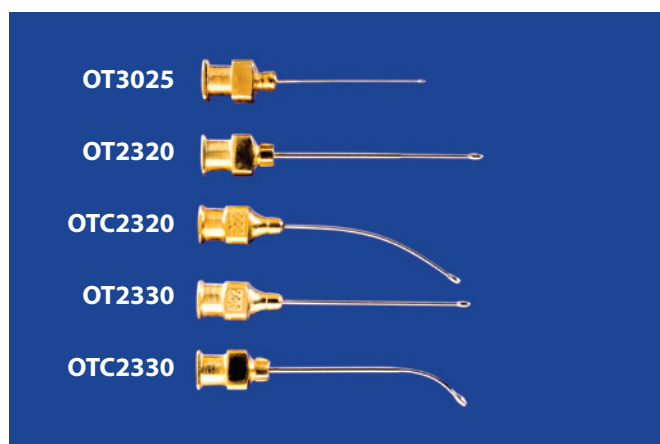


Olive Tip Needles

LACRIMAL LAVAGE NEEDLE

- Used to flush and lavage eyes and the lacrimal duct.
- Stainless steel needle with small atraumatic olive tip.
- Female luer designed to fit any syringe.

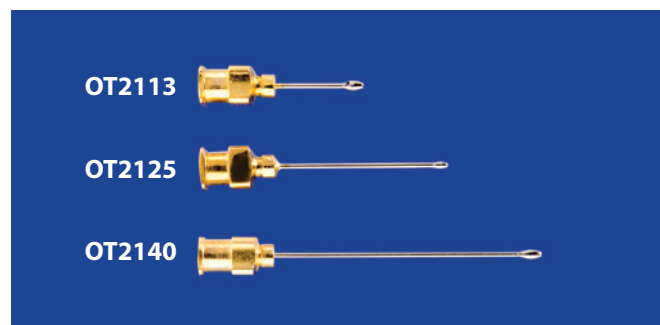
DESCRIPTION	ITEM #	PRICE
30Ga x 2.5cm (1.0in)	OT3025	\$15.00
23Ga x 2.0cm (0.75in) Stepped	OT2320	\$15.00
23Ga x 2.0cm (0.75in) Curved	OTC2320	\$15.00
23Ga x 3.0cm (1.25in)	OT2330	\$15.00
23Ga x 3.0cm (1.25in) Curved/Stepped	OTC2330	\$15.00



URINARY & ANAL GLAND LAVAGE NEEDLE

- Used for lavage of the feline penis and anal gland.
- Stainless steel needle with small atraumatic olive tip.
- Female luer designed to fit any syringe.

DESCRIPTION	ITEM #	PRICE
21Ga x 1.3cm (0.5in)	OT2113	\$15.00
21Ga x 2.5cm (1.0in)	OT2125	\$15.00
21Ga x 4.0cm (1.5in)	OT2140	\$15.00



Eye Lavage Kit/SPL





- For upper or lower lid.
- Single stick insertion method.
- Soft, non-irritating disk and tubing.
- Allows application of eye medication away from the site.
- Easily used in clinical and farm setting.
- Kit includes 12Ga straight or 10° angled trocar, catheter, eyelid lifter, extension tube, luer lock adapter, tongue depressor, catheter for medication infusion and needle-free port.
- Repair kit (#6615) includes tubing 20in long, cannula for connecting tubes, 20Ga catheter, tongue depressor and needle-free port.
- Use the elastomeric administration pump (Item #7100) for continuous infusion.

DESCRIPTION	ITEM #	PRICE
Subpalpebral Eye Lavage Kit 60in catheter	6612	\$61.00
Subpalpebral Eye Lavage Kit Angled 10° trocar, 60in catheter	6613	\$61.00
Repair Kit	6615	\$20.00

For Ophthalmic Surgical Drape (#OSD \$3.50), see page 55.



 How to Insert and Manage a Subpalpebral Lavage System
Ann E. Dwyer DVM
Genesee Valley Equine Clinic - Scottsville, New York


 Equine Subpalpebral Lavage (SPL) Installation
Anne Gemensky Metzler DVM MS DACVO
Ohio State University College of Veterinary Medicine


Elastomeric Pump

- Four layers of latex for sturdiness.
- Recoil of balloon pushes fluid through tubing.
- 100ml fluid reservoir.
- Two flow control tubes are included. FCT12 (0.8ml/hr) is attached to pump. The FCT4 (2.5ml/hr) is included in the package.
- Accuracy rate +/- 15 %.

DESCRIPTION	ITEM #	PRICE
Elastomeric Pump	7100	\$38.00
10ml in 4 hours – 2.5ml/hour	FCT4	\$9.55
10ml in 12 hours – 0.8ml/hour	FCT12	\$11.55
.2 micron filter (10 pack)	2420	\$47.00



 Elastomeric Pump Securement
Dr. Meghan Mendoza, Dr. Katie Hayes
Hayes Equine Veterinary Services

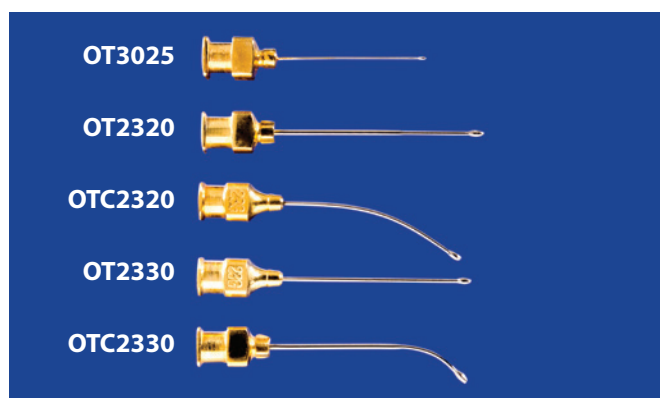
 Medication Solution
Dr. Meghan Mendoza, Dr. Katie Hayes
Hayes Equine Veterinary Services

Olive Tip Needles

LACRIMAL LAVAGE NEEDLE

- Used to flush and lavage eyes and the lacrimal duct.
- Stainless steel needle with small atraumatic olive tip.
- Female luer designed to fit any syringe.

DESCRIPTION	ITEM #	PRICE
30Ga x 2.5cm (1.0in)	OT3025	\$15.00
23Ga x 2.0cm (0.75in) Stepped	OT2320	\$15.00
23Ga x 2.0cm (0.75in) Curved	OTC2320	\$15.00
23Ga x 3.0cm (1.25in)	OT2330	\$15.00
23Ga x 3.0cm (1.25in) Curved/Stepped	OTC2330	\$15.00

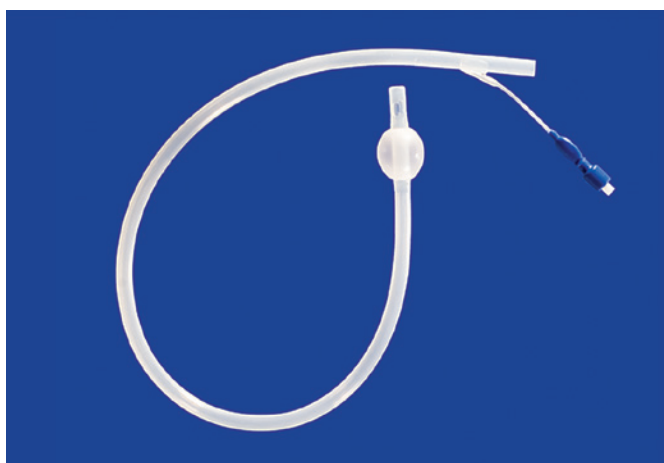


Uterine Flush

Embryo Transfer Catheter

- Open-end silicone catheter.
- Soft balloon cuff ideal for embryo transfer.
- Y-adaptor tube assembly includes line to fluid source, drain line and graduated adapter line to catheter.
- Reusable.

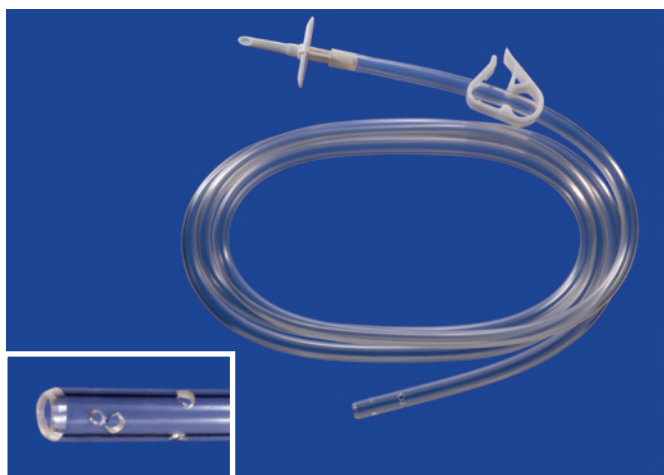
DESCRIPTION	ITEM #	PRICE
36Fr x 80cm (32in) catheter with 100cc balloon cuff	UFC3680	\$40.00



Uterine Flush Tube

- 28Fr x 190cm flushing tube with spike.
- 4 side holes, 1.5cm apart, ending 2.5cm from end of catheter.
- Smooth, open-ended tip.

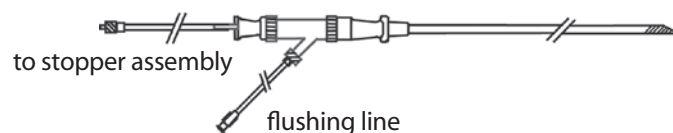
DESCRIPTION	ITEM #	PRICE
28Fr x 190cm (75in)	UFT28190	\$9.00



Equine Oocyte Collection Set

- For equine transvaginal oocyte collection.
- Laminar flow, no ridges on collection side.
- Aspiration needle is 12Ga x 60cm (24in), stainless steel, double lumen, with an ultra sharp tip to improve visualization under ultrasound.
- Etched needles are ECHOGENIC to improve ultrasound visualization.
- Flushing and collection lines are 14Ga x 180cm (72in) PVC attached to a 'Y' adapter.
- #6 silicone bottle stopper with collection port and vent port.

DESCRIPTION	ITEM #	PRICE
Oocyte Collection Set - Etched Tip Includes 12Ga needle assembly, flushing and collection lines and bottle stopper assembly	OCS	\$76.00
Outer Replacement Needle - Etched Tip 12Ga x 60cm	OCRN	\$30.00
Oocyte Collection Set - Non-Etched Tip Includes 12Ga needle assembly, flushing and collection lines and bottle stopper assembly	OCS-2	\$76.00
Outer Replacement Needle - Non-Etched Tip 12Ga x 60cm	OCRN-2	\$30.00
Replacement Lines Includes Y-port with attached flushing and collection lines	OCRL	\$9.00
Stopper Assembly Includes #6 silicone stopper with collection and vent ports	OCSA	\$23.00



High Flow Fluid Transfer Set

Ideal for uterine flush. Includes high flow spike, clamp and graduated adapter for 20-40Fr tubes.

DESCRIPTION	ITEM #	PRICE
Length 30cm (12in)	175490	\$9.00
Length 60cm (24in)	175493	\$9.00

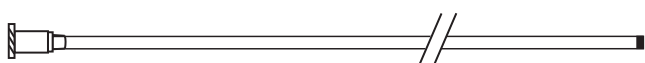


Tracheal Wash / Aspiration Catheters

Single Lumen Catheters

Single lumen catheter with female luer lock for medication delivery and sampling at any endoscope accessible site. To maintain sterility during placement, these sets contain a glycol plug.

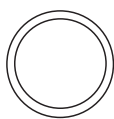
DESCRIPTION	SCOPE CHANNEL SIZE	ITEM #	PRICE
2.3mm OD x 190cm (76in)	2.5mm	EDC190	\$11.00
1.8mm OD x 200cm (79in) - NEW	2.0mm	EDC200	\$11.00
2.3mm OD x 220cm (88in)	2.5mm	EDC220	\$11.00
2.3mm OD x 400cm (160in)	2.5mm	EDC400	\$11.00



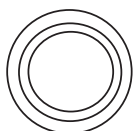
Double / Triple Lumen Catheters

Two and three lumen sampling catheters enable a sterile specimen retrieval via an endoscope. To maintain sterility during placement, these sets contain a glycol plug in the outer catheter. Once placed, the inner catheter is advanced for retrieval of the sterile specimen.

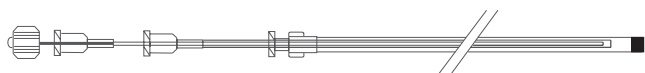
DESCRIPTION	SCOPE CHANNEL SIZE	ITEM #	PRICE
Two stage catheter 1.8mm x 190cm (76in)	2.0mm	EMAC700	\$29.00
Two stage catheter 1.8mm x 250cm (100in)	2.0mm	EMAC700L	\$34.00
Triple stage catheter 2.3mm x 190cm (76in)	2.5mm	EMAC800	\$31.00



Double Lumen



Triple Lumen

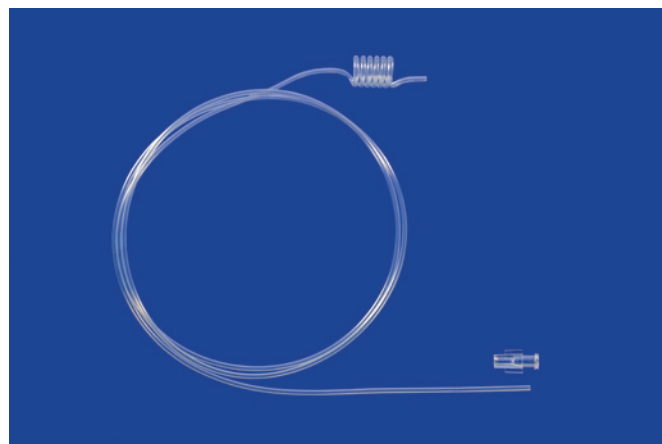
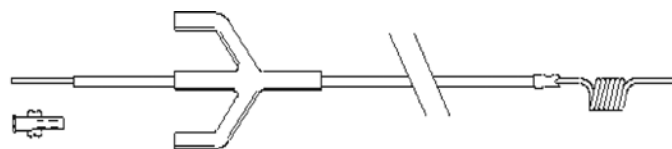


Indwelling Guttural Pouch Catheter Kit

Placed by viewing the guttural pouch through an endoscope up one nostril and placing the catheter introducer up the other nostril. Non-irritating polyurethane catheter for extended treatment of the guttural pouch. Kit includes polyurethane catheter with coils, bendable introducer and attachable luer lock adapter. The catheter can be left in for days, secured to the halter and protected by a grazing muzzle or cut to desired length.

Catheter dimensions: 12Ga x 135cm (54 Inches).

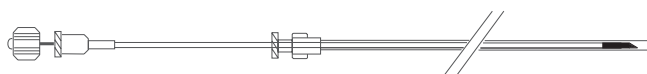
DESCRIPTION	ITEM #	PRICE
Catheter Kit	9500	\$62.00
Catheter Only	9510	\$47.00



Lance-A-Lot

Aspiration and injection needle with female luer lock. Ideal for lancing and injecting ethmoid hematomas and uterine cysts.

DESCRIPTION	SCOPE CHANNEL SIZE	ITEM #	PRICE
1.8mm x 190cm (76in) with 19Ga needle - NEW	2.0mm	LAN180	\$37.00
2.3mm x 190cm (76in) with 17Ga needle	2.5mm	LAN190	\$37.00



Laparoscopic Large Animal Retrieval Pouch



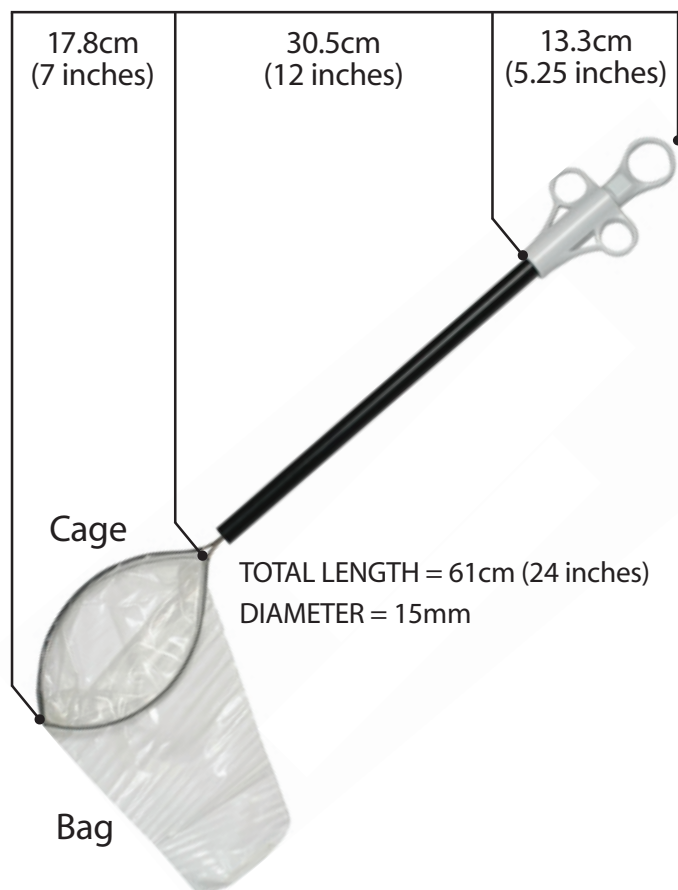
LARGE BAG

- Retrieval pouch for a variety of large animal surgical procedures.
 - Ovariectomies with normal ovaries and granulosa cell tumors.
 - Removal of cryptorchid testicle.
 - Removal of bladder stones.
 - Removal of abdominal cavity tumors.
 - Harvesting biopsy specimens.
- **1500ml bag detaches from metal cage.**
- Sturdier than human product.
- More economical.

ITEM #EP810

\$75.00

See 2017 publication: milainternational.com/pub/media/wysiwyg/Retrieval_Pouch-Large_Animal.pdf

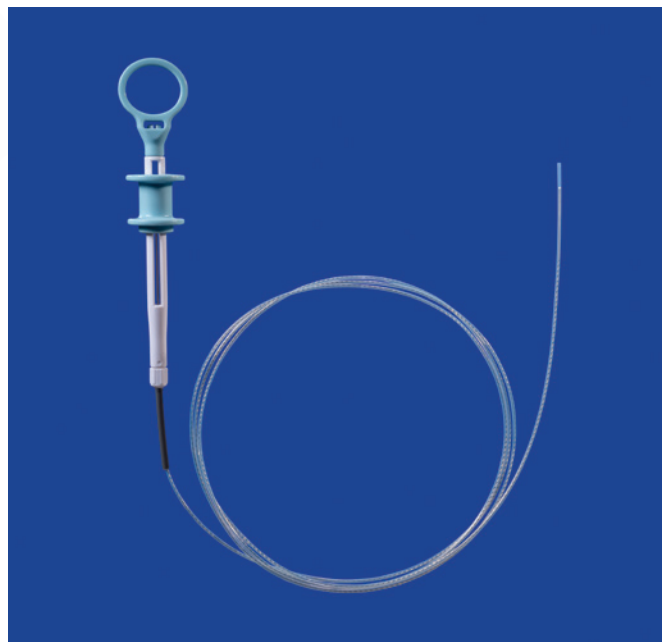


Cage retracts into shaft.

Cytobrush – Protected

- Indicated to collect tissue samples from the bronchi and/or upper and lower gastrointestinal tracts for the diagnosis of suspected pathology in the airway.
- Tube within a tube design. The outer tube has a water soluble glycol plug in the distal end to protect the inner lumen brush from contamination as it travels through the endoscope channel. When the sample site is reached, the forward motion of the inner tube safely expels the plug and deploys the brush. After sample collection, the brush is retracted into the outer tube, and removed from the scope channel.
- Sheathed catheter with plug for sample protection is 1.8mm x 180cm.
- 10mm bristled brush with outside diameter of 2mm and radiopaque distal end cap.
- Handle with ring provides easy deployment and retraction of brush.

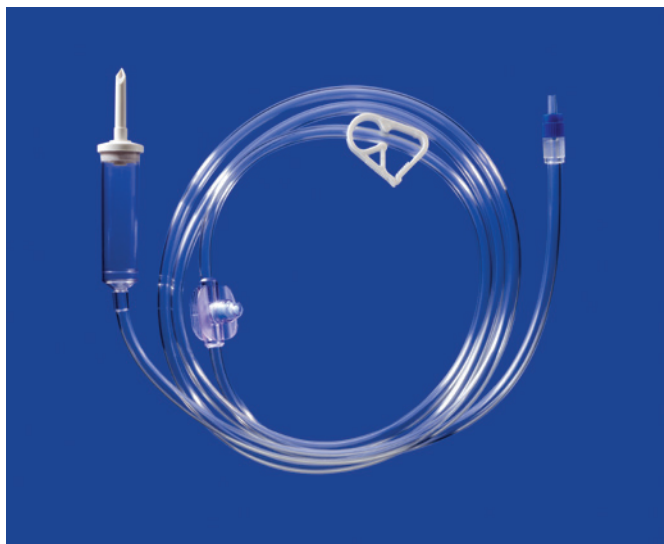
DESCRIPTION	SCOPE CHANNEL SIZE	ITEM #	PRICE
1.8mm x 180cm (72in)	2.0mm	CYT180	\$13.50



Fluid Collection and Delivery

High Flow IV Administration Sets

DESCRIPTION	ITEM #	PRICE
High flow set includes drip chamber, 72in (180cm) tubing, pinch clamp, needle-free injection site and spin luer lock. 12 drops/ml Priming Volume = 42ml	175497	\$8.00



DESCRIPTION	ITEM #	PRICE
High flow set includes vented spike with filter, 72in (180cm) tubing, pinch clamp, needle-free injection site and spin luer lock. 12 drops/ml Priming Volume = 32ml	175498	\$8.00



EquiSet IV Administration Set

DESCRIPTION	ITEM #	PRICE
Improved - Now available with Y injection site Economical large bore (30Fr x 300cm/120in), non-vented Y-set with 2 spikes, 3 clamps, roller flow adjustment, spin luer lock adapter and needle-free injection port.	8V0002	\$15.00



Arthroscopy Fluid Line Wound Flushing Line

DESCRIPTION	ITEM #	PRICE
High flow infusion set includes spike, 10 feet of tubing, clamp and spin luer lock. Fits basic peristaltic pump.	175499	\$7.00



10 Drop IV Administration Set

DESCRIPTION	ITEM #	PRICE
Universal spike, 224cm (88in) tubing, roller clamp, slide clamp, one injection site located 11 inches above distal end, spin connector. Priming volume = 25.6ml	175250	\$3.50
Universal spike, 261cm (103in) tubing, roller clamp, slide clamp, two injection sites located 9 inches and 87 inches above distal end, spin connector. Priming volume = 28ml	175255	\$4.00



15 Drop IV Administration Set

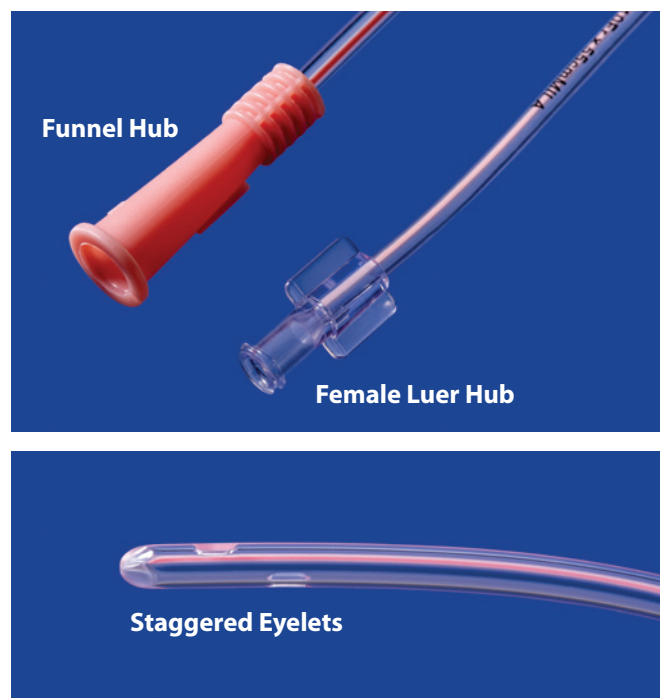
DESCRIPTION	ITEM #	PRICE
Administration set with vented spike, 76 inch tubing (190cm), drip chamber, rotating luer lock, roller clamp and injection site. Replacement for the discontinued BD15 Drop Set. Priming Volume = 13.3ml	175278	\$5.25



PinkPoly™ Economy Catheter

- Use for NG feeding, esophagostomy, urine drainage, oxygen delivery and small animal BAL.
- DEHP and Phthalate Free: Non-leaching, non-irritating, latex free polymer (PVC) construction that becomes firm when cold, softens with body temperature.
- Clear catheter body designed to easily visualize contents within the catheter.
- Smooth, polished surface inside and out. Minimizes trauma during catheter insertion and removal.
- Radiopaque Pink Stripe eliminates need for contrast. Entire catheter of #PP316 (3.5Fr) completely radiopaque.
- Centimeter markings on 8Fr-18Fr for precise depth placement.
- Longer lengths for 8Fr, 10Fr, and 12Fr are adequate for male dogs and for small animal BAL.
- Staggered eyelets help to maintain tip strength during insertion and promote efficient drainage.
- Rounded, closed tip.
- Female luer hub eliminates need for barbed adapter. Connect **DIRECTLY** to your syringe or collection set.

See page 32 for additional information.



Fluid Collection and Delivery

Controlled Flushing Set

- Set includes vented bag spike, 90cm (36in) tubing and bi-directional valve.
- Use for various flushing needs - BAL, joint, ear, wound, ovum pickup.
- The bi-directional valve allows for repeat aspiration from the bag and controlled flushing without opening the system.
- Eliminates the need to pre-fill syringes.
- Spike the flush medium, attach syringe to female luer of valve, fill syringe, flush, then repeat process.

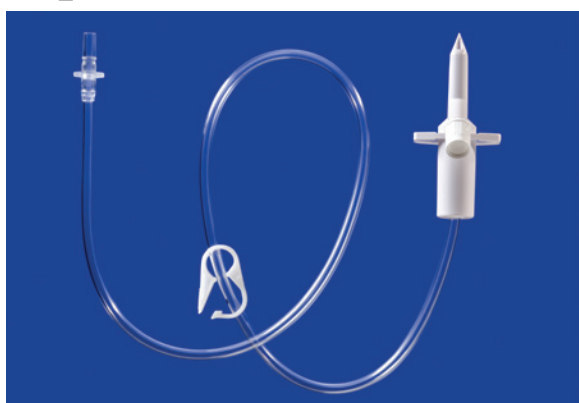
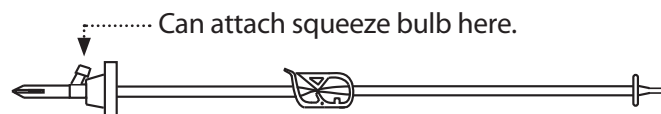
ITEM #CFS36

\$15.00



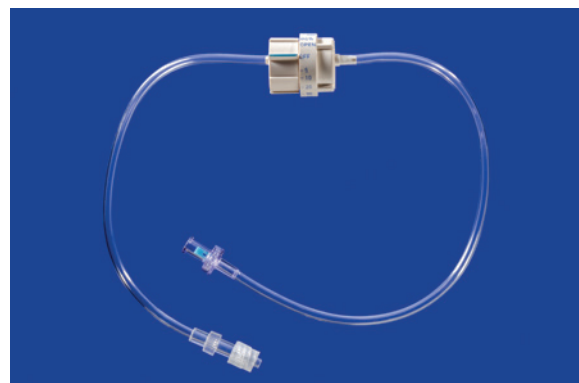
Secondary Venoset

DESCRIPTION	ITEM #	PRICE
Deliver a small amount of medication quickly.		
This set allows pressurization when used with squeeze bulb (Item #175590) of a bag or bottle.		
Replacement for the discontinued Abbott secondary venoset. Priming Volume = 4ml		
Tubing length is 23in (58cm).	175720	\$5.00



Fluid Control Dial

DESCRIPTION	ITEM #	PRICE
Easily adjust infusion rate from 10ml/hour up to 350ml/hour when used with gravity system.		
When used with pressurized system, flow is four times faster. Tube length is 18in (45cm).	175480	\$9.00



High Flow Fluid Transfer Set

Ideal for uterine flush. Includes high flow spike, clamp, and graduated adapter for 20-40Fr tubes.

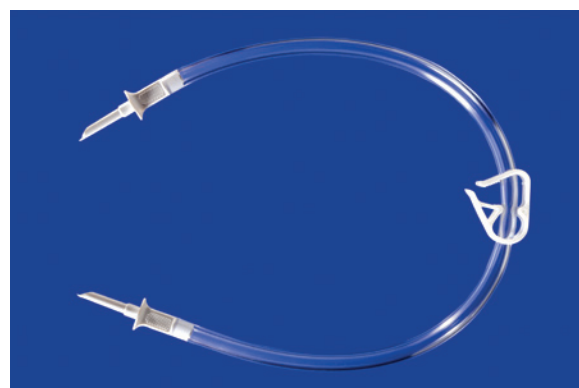
DESCRIPTION	ITEM #	PRICE
Length 30cm (12in) Priming volume = 8ml	175490	\$9.00
Length 60cm (24in) Priming volume = 20ml	175493	\$9.00



Fluid Transfer Set

High flow spikes to transfer fluid between bags (45cm/18in).

ITEM # FTS18	PRICE
	\$4.75



Pressure Infusors

High performance pressure infusor delivers a continuous "squeeze" to the IV fluid bag.

- Provides easy view of fluid bag and fluid level.
- Special built-in hook allows fluid bag to be replaced without removing pressure infusor from hanging device.

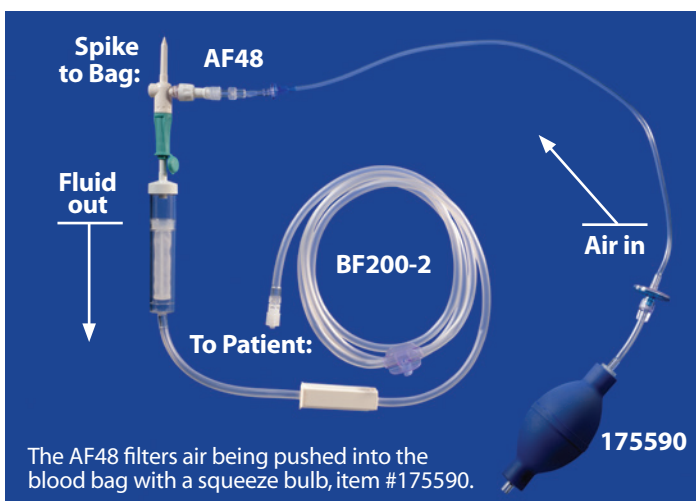
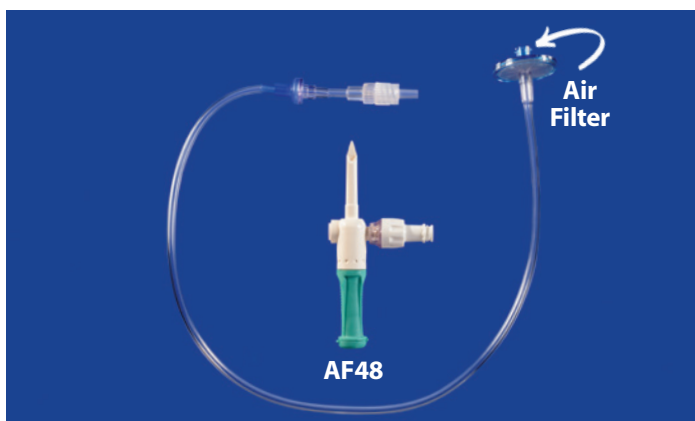
DESCRIPTION	ITEM #	PRICE
1000ml cuff with squeeze bulb, pressure manometer and 3-way stopcock	175500	\$47.00
3000ml cuff with squeeze bulb and manometer	175930	\$200.00
5000ml cuff with squeeze bulb and manometer	175950	\$200.00
Inflation Squeeze Bulb Assembly Includes bulb and three-way stopcock	175590	\$20.00



Bag and Bottle Pressurization Kit

- T-shaped spike with 48cm (19in) extension set, female luer, air filter and check valve.
- Increases flow rate of an IV or blood set by pumping FILTERED AIR into the bag or bottle.
- Allows medication administration into, and fluid withdrawal from, the bag or bottle.

DESCRIPTION	ITEM #	PRICE
T-shaped spike with 48cm (19in) extension set, female luer, air filter and check valve.	AF48	\$11.00



Small and Large Animal Blood Filtration & Administration Sets with 200 Micron Filter

Ideal for preparation and delivery of aliquots of whole blood, red cells and platelets, cellular components and fresh-frozen plasma for transfusion and autotransfusion.

See 2020 publication in Veterinary Record Case Reports: "Traumatic haemothorax in a dog managed without surgery using a guidewire-inserted chest tube and a single closed system for collection and administration of autotransfusion." Miller, Victoria; Pigott, Armi

High-Flow Blood Administration

- Large bore tubing for HIGH FLOW blood administration.
- Ideal in large animal applications to administer and filter blood from a bag.
- Set includes spike, drip chamber, tubing, roller clamp, 200 micron blood filter, needle-free injection port and SPINNER luer lock. Total length 203cm (80 inches).
- Flow rates can be increased using pressurization (Item #AF48). Gravity flow rates using simulated blood:

No Catheter = 710ml/minute

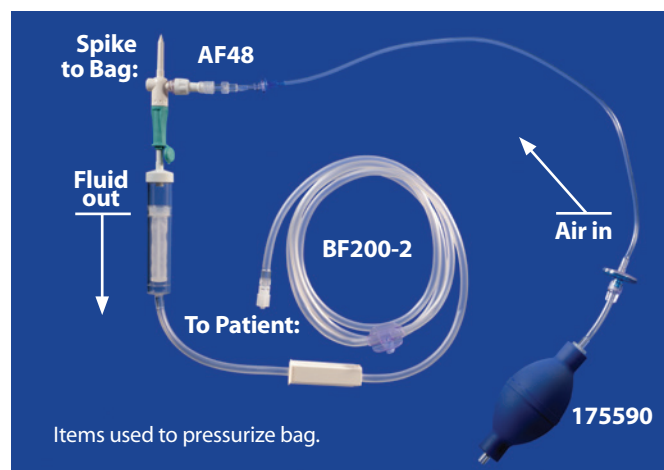
14Ga x 5.25 inch Catheter = 180ml/minute

12Ga x 5.25 inch Catheter = 375ml/minute

10Ga x 5.25 inch Catheter = 475ml/minute

- Priming Volume is 36ml.
- Filtration Area: 16 square centimeters
Volume limit depends on a variety of factors such as blood density and transfusion pressure.
- **Item # BF200-2, \$6.00**

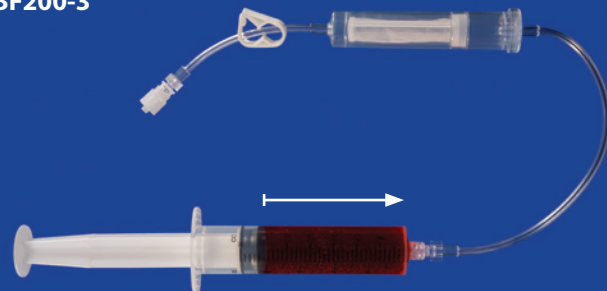
BF200-2



Syringe Administration

- Standard bore tubing.
- Ideal to filter and administer blood from a syringe.
- Set includes female luer, tubing, 200 micron blood filter, pinch clamp and SPINNER luer lock. Total length 43cm (17 inches).
- Priming Volume is 4ml.
- Filtration Area: 16 square centimeters
Volume limit depends on a variety of factors such as blood density and transfusion pressure.
- **Item # BF200-3, \$6.00**

BF200-3



Bag Administration

- Standard bore tubing.
- Ideal for use when needing to draw and filter blood from a bag into a syringe. Connect to MILA Automatic 3-way set to make a completely closed, automatic, RAPID delivery system. Great for autotransfusion. Refer to Pigott study (link to article below). See page 75 for details.
- Set includes non-vented spike, tubing, pinch clamp, 200 micron blood filter and female luer lock. Total length 47cm (18 inches).
- Priming Volume is 3ml.
- Filtration Area: 16 square centimeters
Volume limit depends on a variety of factors such as blood density and transfusion pressure.
- **Item # BF200-4, \$6.00**

BF200-4

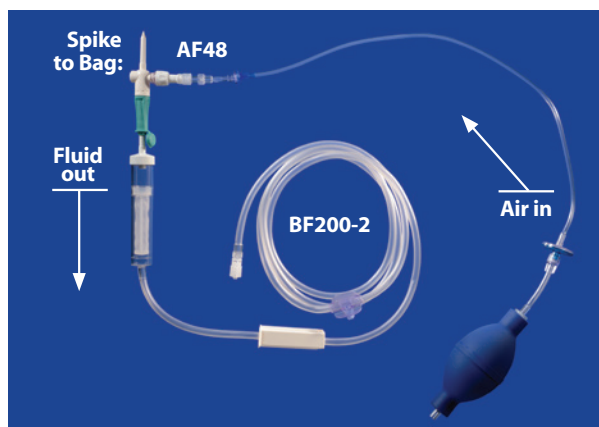


Pigott study: <https://vetrecordcasereports.bmj.com/content/8/3/e001142>

Pressurization Set

Increase flow rate by pressurizing with **FILTERED AIR** into a bag or bottle. Includes spike and extension set with air filter.

DESCRIPTION	ITEM #	PRICE
Pressurization Kit	AF48	\$11.00
Inflation Squeeze Bulb Assembly Includes bulb and three-way stopcock	175590	\$20.00



Blood Collection Set

DESCRIPTION	ITEM #	PRICE
High flow collection set that attaches directly to venous catheter and vacutainer bottle. Set includes 72in (180cm) large bore tubing, injection site, drip chamber and spin luer lock. Priming volume = 42ml	175484	\$10.00

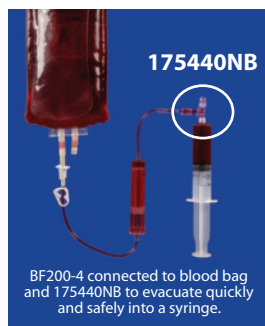
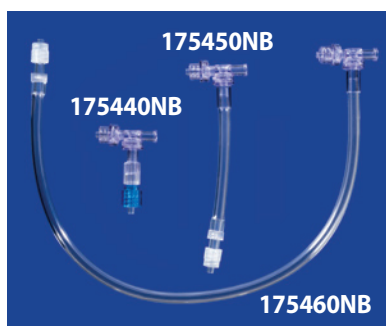


Automatic 3-Way for Transfusion/Autotransfusion

Unique valve allows aspiration and evacuation without disconnecting the syringe and without turning a stopcock. Choose a centesis adapter from the list below and attach #BF200-4 to create a closed, automatic delivery system.

Valve does not induce hemolysis.*

DESCRIPTION	ITEM #	PRICE
Centesis Adapter with Spin Luer Lock	175440NB	\$10.00
Centesis Adapter with total Length 12.5cm	175450NB	\$10.00
Centesis Adapter with total Length 40cm	175460NB	\$10.00



Blood Filtration Set - 18 Micron

SPIKE

- Bag spike with needle injection port to draw blood from a bag.

FILTER

- Stainless steel designed to filter particulate within blood components to 18 microns.
- Used for the filtration of stored blood components and other fluids indicated for filtration.
- Luer locking hub allows the use of a standard syringe without a needle.
- 50cc filter capacity for whole blood and 20cc filter capacity for all other blood components.

DESCRIPTION	ITEM #	PRICE
Hemo-Tap Bag Spike	BF15	\$4.75
Hemo-Nate Blood Filter - 18 Micron	BF18	\$6.25

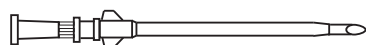
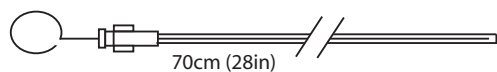


*Data on file at MILA.

Large Animal Trans-Tracheal Wash Kit/TTL

Catheter-over-needle insertion method through the skin into the trachea. The semi-rigid flushing catheter has a stylet and luer adapter. The flushing catheter is packaged in a protective sleeve to allow handling without a glove.

DESCRIPTION	ITEM #	PRICE
10Ga x 2.25in steel introduction with sheath with 12Ga x 70cm (28in) flushing catheter for horses and foals	TW1228	\$32.00
14Ga introducer with 16Ga x 70cm (28 in) flushing catheter for large dogs and neonatal foals	TW1628	\$24.00



Introducer for TW1228 - 10 Gauge

INTRODUCERS are 10Ga or 14Ga.

Equine Joint Infusion Kit

Provide continuous localized infusion of antibiotics directly into the affected joint. A crush resistant 5Fr (16Ga) catheter is inserted using a 6Fr (14Ga) peel-away introducer. The lightweight administration pump will hold up to 100ml. Two flow control tubes included, 0.8ml/hr and 2.5ml/hr.

DESCRIPTION	ITEM #	PRICE
Pump, Peel-Away Introducer, FCT4, FCT12	9100	\$82.00
10ml in 4 hours – 2.5ml/hour	FCT4	\$9.55
10ml in 12 hours – 0.8ml/hour	FCT12	\$11.55

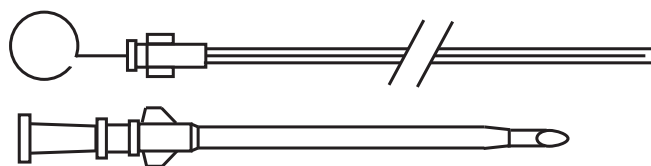


Septic Joint Treatment with Constant Intra-Articular Infusion of Gentamicin or Amikacin
Stephen B. Adams DVM MS and Timothy B. Lescun BVSc

Small Animal Tracheal Wash

Catheter-over-needle insertion method. The semi-rigid flushing catheter has a stiffening stylet and luer adapter. The flushing catheter is packaged in a protective sleeve to allow handling without a glove.

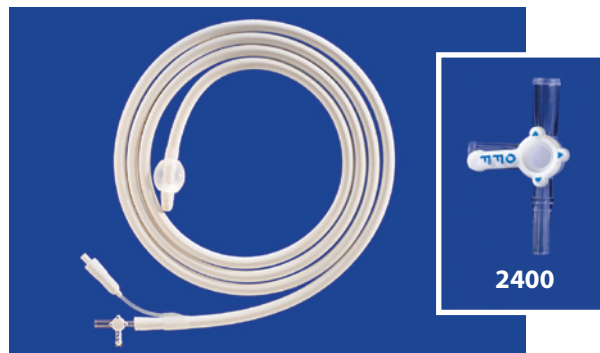
DESCRIPTION	ITEM #	PRICE
Medium Sized Dog - 16Ga x 41cm (16in) flushing catheter with 14Ga introducer	TW1616	\$24.00
Large Dog - 16Ga x 70cm (28in) flushing catheter with 14Ga introducer	TW1628	\$24.00



Large Animal Bronchoalveolar Lavage Catheter (BAL)

- Open-end, silicone, heavy wall, radiopaque catheter for the lavage of selected segments of the lung fields using the nasotracheal approach.
- Distal balloon can be inflated to prevent retrograde fluid flow around the tube. Fill according to clinic protocol.
- Proximal two-way fitting allows simultaneous connection for both irrigation and aspiration. One stopcock included.
- Reusable.

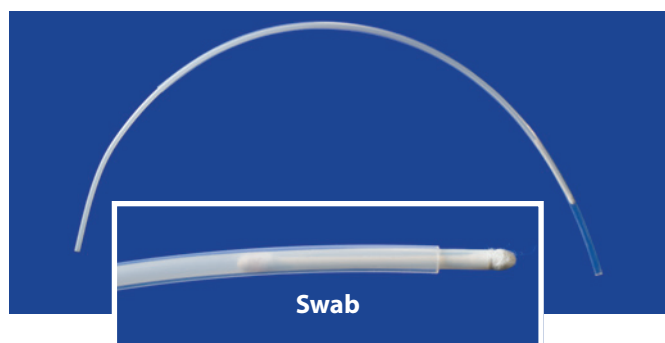
DESCRIPTION	ITEM #	PRICE
10mmOD, 2.5mmID, 240cm (96in)	BAL240	\$74.00
10mmOD, 2.5mmID, 300cm (120in)	BAL300	\$74.00
Replacement Stopcock (10 pack) <i>RECOMMENDED</i>	2400	\$36.00
Controlled Flushing Set - To administer flush aliquots from a bag rather than multiple syringes (see page 72).	CFS36	\$15.00



Equine Guarded Pharyngeal Swab Kit

- For collection of a **sterile** sample.
- An inert capsule protects the inner tube while advancing through the nostril.
- Tube within a tube style.
- Outer tube has a smooth, atraumatic distal end.
- After advancing, the capsule is pushed out by the inner tube and dissolves.
- Swab area for sample, then retract inner tube into the outer tube before withdrawing all from the nostril.
- Kit includes swab, gloves and scissors.
- Length = 62.5cm(25in) OD = 23Fr

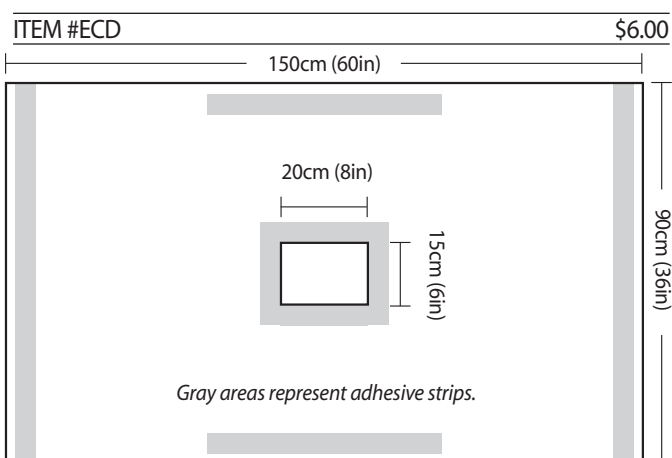
ITEM #5240	\$25.00
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Equine Castration Drape

Drape size 150cm (60in) x 90cm (36in). Clear film with 20cm (8in) x 15cm (6in) adhesive fenestration and **adhesive strips**.

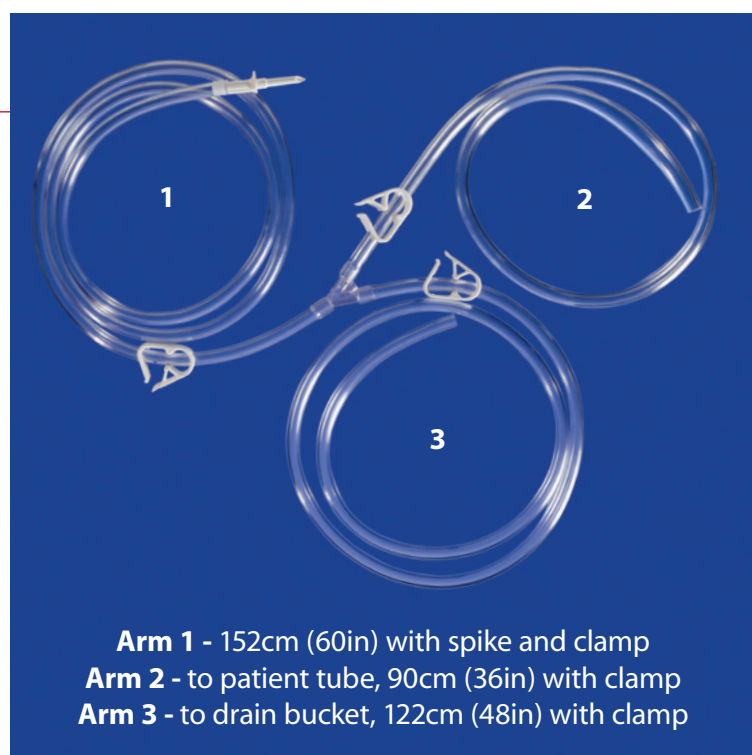
- **Adhesive strips** make this drape ideal for field use and many types of procedures.
- **Adhesive** aperture.
- Sterile, impervious translucent film.
- Provides superb translucent protection with optimal drapeability.
- Helps maintain patient temperature.



Flushing Wye Set for Large Chest Tubes

Flush large chest tubes with this large bore (6.35mm ID) wye set.

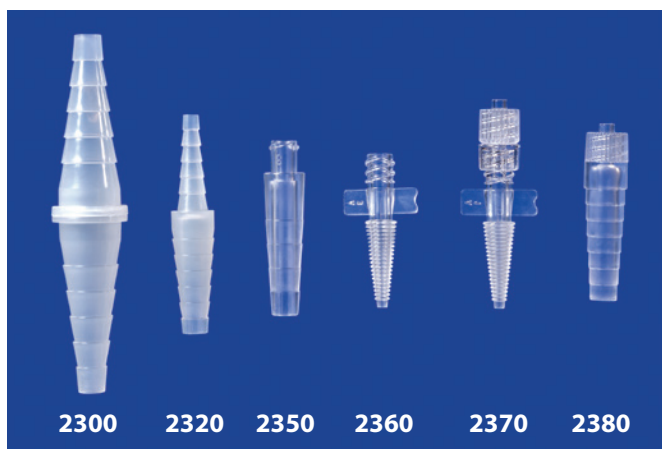
ITEM #CTF6	\$11.00
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Accessories and Components

Christmas Tree Style Connectors

DESCRIPTION	ITEM #	PRICE
Large Dual End 4-12mm Each individually packed and sterile	2300	\$33.00 (10 pack)
Small end 4.0-6.0mm Large end 7.5-11.5mm Each individually packed and sterile	2320	\$33.00 (10 pack)
Female luer lock adapter accepts 20-40Fr tube Each individually packed and sterile	2350	\$20.00 (10 pack)
Female luer lock adapter accepts 11-22Fr tube Each individually packed and sterile	2360	\$33.00 (10 pack)
Male luer lock oxygen connector for 11-22Fr tube (Ideal for oxygen) Each individually packed and sterile	2370	\$20.00 (10 pack)
Male luer lock adapter accepts 20-40Fr tube Each individually packed and sterile	2380	\$33.00 (10 pack)



.2 Micron Bacteria Filter

- Surface area: 5 square centimeters.
- Volume limit depends on bacteria burden of liquid being filtered.

DESCRIPTION	ITEM #	PRICE
With male and female luer locks. Each individually packed and sterile	2420	\$47.00 (10 pack)



Connectors

DESCRIPTION	ITEM #	PRICE
Female to Female Luer Connection Each individually packed and sterile	2440	\$19.00 (10 pack)
Male to Male Luer Connection Each individually packed and sterile	2445	\$19.00 (10 pack)
Three female connectors with a male rotating luer lock. Each individually packed and sterile	2460	\$34.00 (10 pack)



Caps

- **Tethered Cap** (8090) attaches to the catheter or extension hub to cover the injection port. Not for needle-free valves.
- **Stemless Luer Lock Cap** (8099) 10 pack, non-sterile. Universal, works with all injection ports.

DESCRIPTION	ITEM #	PRICE
Tethered Cap	8090	\$0.80
Stemless Luer Lock Cap (10 pack)	8099	\$3.75



Conversion Chart

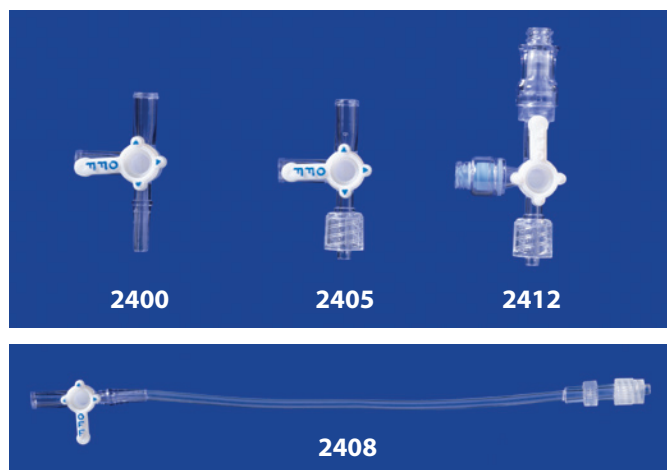
FRENCH	GAUGE	INCH	MM
1	29	0.013	.33
2	23	0.025	.64
3	20	0.039	1
4	18	0.053	1.35
5	16	0.066	1.67
6	14	0.079	2
7	13	0.092	2.3
8	12	0.105	2.7
9	—	0.118	3
10	10	0.131	3.3
11	—	0.144	3.7
12	—	0.158	4
13	—	0.170	4.3
14	—	0.184	4.7
15	—	0.197	5
16	—	0.210	5.3
17	—	0.223	5.7
18	—	0.236	6
19	—	0.249	6.3
20	—	0.263	6.7
22	—	0.288	7.3
24	—	0.315	8
26	—	0.341	8.7
28	—	0.367	9.3
30	—	0.393	10
32	—	0.419	10.7
34	—	0.445	11.3

Length: 1 inch = 2.54 centimeters

Stopcocks

DESCRIPTION	ITEM #	PRICE
Three-way with luer slip	2400	\$36.00
Each individually packed and sterile	(10 pack)	
Three-way with luer lock	2405	\$36.00
Each individually packed and sterile	(10 pack)	
Three-way with 8 inch extension	2408	\$8.00
Three-way with High Flow Needle Free Valves	2412	\$5.00

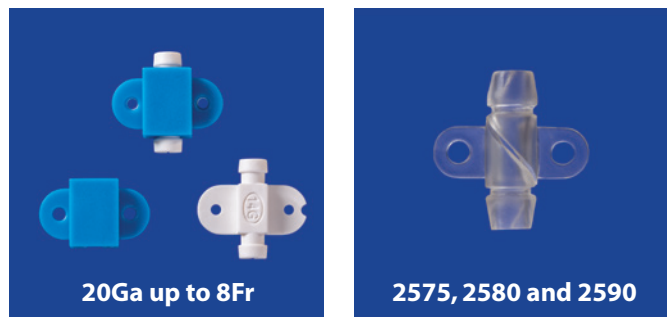
For **Automatic 3-Way**, see page 46.



Suture Wings

Suture wings are sold in **packs of 10**, non-sterile.

DESCRIPTION	ITEM #	10 PACK
20Ga with blue clamp	2530	\$18.00
18Ga with blue clamp	2540	\$18.00
16Ga with blue clamp	2550	\$18.00
14Ga with blue clamp	2560	\$18.00
7Fr with blue clamp	2570	\$18.00
8Fr with blue clamp	2572	\$18.00
9Fr translucent	2575	\$18.00
14Fr translucent	2580	\$18.00
18Fr translucent	2590	\$18.00



Click on any item number
to view it on our website.



Gauge Size (Ga)	French Size (FR)	Length (Inches)	Length (Centimeters)	Number of Lumens	Introducer Style	Catheter Type	Special Features	MILA Part Number
26Ga	1.4Fr	0.75 in	1.9 cm	Single	Catheter-over-Needle	Short Term		2675
26Ga	1.4Fr	0.75 in	1.9 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IV2619
24Ga	1.7Fr	0.75 in	1.9 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IC2475
24Ga	1.7Fr	0.75 in	1.9 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IV2419
24Ga	1.7Fr	10 in	25 cm	Single	Catheter through Catheter	Long Term	Long Line Catheter	LL2425
24Ga	1.7Fr	4 in	10 cm	Single	Over the Wire	Long Term		SA2410
23Ga	1.9Fr	16 in	40 cm	Single	Through a Peel-Away	Long Term	PICC/Silicone Catheter	3240
22Ga	2Fr	1.75 in	4.5 cm	Single	Catheter-over-Needle	Short Term		2217
22Ga	2Fr	2.5 in	6 cm	Single	Over the Wire	Long Term	Arterial Catheter	AR2206
22Ga	2Fr	1 in	2.5 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IC2201
22Ga	2Fr	1 in	2.5 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IV2225
22Ga	2Fr	8 in	20 cm	Single	Catheter through Catheter	Long Term	Long Line Catheter	LLD2220
22Ga	2Fr	4 in	10 cm	Single	Over the Wire	Long Term		SA2210
20Ga	3Fr	2.5 in	6.25 cm	Single	Catheter-over-Needle	Long Term		2011
20Ga	3Fr	24 in	60 cm	Single	Through a Peel-Away	Long Term	PICC/Silicone Catheter	3360
20Ga	3Fr	1.25 in	3 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IC2001
20Ga	3Fr	1 in	2.5 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IV2025
20Ga	3Fr	1.25 in	3.2 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IV2032
20Ga	3Fr	18 in	45 cm	Single	Catheter through Catheter	Long Term	Long Line Catheter	LL2045
20Ga	3Fr	8 in	20 cm	Single	Catheter through Catheter	Long Term	Long Line Catheter	LLD2020
20Ga	3Fr	2.6 in	6.5 cm	Single	Over the Wire	Long Term		SA2006
20Ga	3Fr	5 in	12 cm	Single	Over the Wire	Long Term		SA2012
20Ga	3Fr	12 in	30 cm	Single	Catheter through Needle	Long Term	Long Line Catheter	V2030
19Ga	3.5Fr	18 in	45 cm	Single	Catheter through Catheter	Long Term	Long Line Catheter	LL1945
19Ga	3.5Fr	36 in	90 cm	Single	Catheter through Catheter	Long Term	Long Line Catheter	LL1990
19Ga	3.5Fr	10 in	25 cm	Single	Catheter through Catheter	Long Term	Long Line Catheter	LLD1925
19Ga	3.5Fr	6 in	15 cm	Single	Over the Wire	Long Term		SA1915
19Ga	3.5Fr	6 in	15 cm	Single	Through a Peel-Away	Long Term		SA1915-PI
19Ga	3.5Fr	10 in	25 cm	Single	Over the Wire	Long Term		SA1925
19Ga	3.5Fr	10 in	25 cm	Single	Through a Peel-Away	Long Term		SA1925-PI

Gauge Size (Ga)	French Size (FR)	Length (Inches)	Length (Centimeters)	Number of Lumens	Introducer Style	Catheter Type	Special Features	MILA Part Number
18Ga	4Fr	3.5 in	9 cm	Single	Catheter-over-Needle	Short Term		1804
18Ga	4Fr	2.5 in	6.25 cm	Single	Catheter-over-Needle	Long Term		1811
18Ga	4Fr	24 in	60 cm	Single	Through a Peel-Away	Long Term	PICC/Silicone Catheter	3460
18Ga	4Fr	2.75 in	7 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	175042
18Ga	4Fr	4 in	10 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	175044
18Ga	4Fr	2 in	5 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	1802F
18Ga	4Fr	3.5 in	9 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	1804F
18Ga	4Fr	1.75 in	4.5 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IC1801
18Ga	4Fr	1.25 in	3.2 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IV1832
18Ga	4Fr	1.88 in	4.8 cm	Single	Catheter-over-Needle	Short Term	Peripheral Catheter	IV1848
18Ga	4Fr	2.6 in	6.5 cm	Single	Over the Wire	Long Term		SA1806
18Ga	4Fr	6 in	15 cm	Single	Over the Wire	Long Term		SA1815
18Ga	4Fr	10 in	25 cm	Single	Over the Wire	Long Term		SA1825
18Ga	4Fr	3.25 in	8 cm	Double	Over the Wire	Long Term		SA4FD08
18Ga	4Fr	3.25 in	8 cm	Double	Through a Peel-Away	Long Term		SA4FD08-PI
18Ga	4Fr	5.25 in	13 cm	Double	Over the Wire	Long Term		SA4FD13
18Ga	4Fr	5.25 in	13 cm	Double	Through a Peel-Away	Long Term		SA4FD13-PI
18Ga	4Fr	12 in	30 cm	Double	Over the Wire	Long Term		SA4FD30

16Ga	5Fr	3 in	7.5 cm	Single	Catheter-over-Needle	Long Term		1603
16Ga	5Fr	3 in	7.5 cm	Single	Catheter-over-Needle	Short Term		1604
16Ga	5Fr	5.25 in	13 cm	Single	Catheter-over-Needle	Long Term		1611
16Ga	5Fr	5.25 in	13 cm	Single	Catheter-over-Needle	Short Term		1612
16Ga	5Fr	24 in	60 cm	Single	Through a Peel-Away	Long Term	PICC/Silicone Catheter	3560
16Ga	5Fr	24 in	60 cm	Double	Through a Peel-Away	Long Term	PICC/Silicone Catheter	3565
16Ga	5Fr	2.75 in	7 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	175052
16Ga	5Fr	4 in	10 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	175054
16Ga	5Fr	6 in	15 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	175056
16Ga	5Fr	3 in	7.5 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	1604F
16Ga	5Fr	4.5 in	11 cm	Single	Over the Wire	Long Term	Antimicrobial	LA1611-A
16Ga	5Fr	6 in	15 cm	Single	Over the Wire	Long Term		LA1615
16Ga	5Fr	6 in	15 cm	Single	Over the Wire	Long Term		LA1615-2P
16Ga	5Fr	6 in	15 cm	Single	Over the Wire	Long Term	Antimicrobial	LA1615-A
16Ga	5Fr	6 in	15 cm	Single	Through a Peel-Away	Long Term		LA1615-PI
16Ga	5Fr	8 in	20 cm	Single	Over the Wire	Long Term		LA1620
16Ga	5Fr	8 in	20 cm	Single	Over the Wire	Long Term		LA1620-2P

Gauge Size (Ga)	French Size (FR)	Length (Inches)	Length (Centimeters)	Number of Lumens	Introducer Style	Catheter Type	Special Features	MILA Part Number
16Ga	5Fr	8 in	20 cm	Single	Over the Wire	Long Term	Antimicrobial	LA1620-A
16Ga	5Fr	8 in	20 cm	Single	Through a Peel-Away	Long Term		LA1620-PI
16Ga	5Fr	3.25 in	8.25 cm	Single	Catheter-over-Needle	Short Term		QC163
16Ga	5Fr	5.5 in	14 cm	Single	Catheter-over-Needle	Short Term		QC165
16Ga	5Fr	3.5 in	9 cm	Single	Over the Wire	Long Term		SA1609
16Ga	5Fr	6 in	15 cm	Single	Over the Wire	Long Term		SA1615
16Ga	5Fr	6 in	15 cm	Single	Through a Peel-Away	Long Term		SA1615-2P-PI
16Ga	5Fr	8 in	20 cm	Single	Over the Wire	Long Term		SA1620
16Ga	5Fr	10 in	25 cm	Single	Through a Peel-Away	Long Term		SA1625-2P-PI
16Ga	5Fr	12 in	30 cm	Single	Over the Wire	Long Term		SA1630
16Ga	5Fr	3.25 in	8 cm	Double	Over the Wire	Long Term		SA5FD08
16Ga	5Fr	3.25 in	8 cm	Double	Through a Peel-Away	Long Term		SA5FD08-PI
16Ga	5Fr	5.25 in	13 cm	Double	Over the Wire	Long Term		SA5FD13
16Ga	5Fr	5.25 in	13 cm	Double	Through a Peel-Away	Long Term		SA5FD13-PI
16Ga	5Fr	10 in	25 cm	Double	Over the Wire	Long Term		SA5FD25
16Ga	5Fr	10 in	25 cm	Double	Through a Peel-Away	Long Term		SA5FD25-PI

15Ga	5.5Fr	3.25 in	8 cm	Triple	Over the Wire	Long Term		SA5FT08
15Ga	5.5Fr	5.25 in	13 cm	Triple	Over the Wire	Long Term		SA5FT13
15Ga	5.5Fr	12 in	30 cm	Triple	Over the Wire	Long Term		SA5FT30

14Ga	6Fr	2.75 in	7 cm	Single	Catheter-over-Needle	Short Term		1402
14Ga	6Fr	3.5 in	9 cm	Single	Catheter-over-Needle	Long Term		1403
14Ga	6Fr	3.5 in	9 cm	Single	Catheter-over-Needle	Short Term		1404
14Ga	6Fr	5.25 in	13 cm	Single	Catheter-over-Needle	Long Term		1411
14Ga	6Fr	5.25 in	13 cm	Single	Catheter-over-Needle	Short Term		1412
14Ga	6Fr	3.5 in	9 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	1404F
14Ga	6Fr	5.25 in	13 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	1412F
14Ga	6Fr	6 in	15 cm	Single	Over the Wire	Long Term		LA1415
14Ga	6Fr	6 in	15 cm	Single	Over the Wire	Long Term		LA1415-2P
14Ga	6Fr	8 in	20 cm	Single	Over the Wire	Long Term		LA1420
14Ga	6Fr	8 in	20 cm	Single	Over the Wire	Long Term		LA1420-2P
14Ga	6Fr	8 in	20 cm	Single	Over the Wire	Long Term	Antimicrobial	LA1420-A
14Ga	6Fr	8 in	20 cm	Single	Through a Peel-Away	Long Term		LA1420-PI
14Ga	6Fr	3.25 in	8.25 cm	Single	Catheter-over-Needle	Short Term		QC143
14Ga	6Fr	5.5 in	14 cm	Single	Catheter-over-Needle	Short Term		QC145
14Ga	6Fr	2.6 in	6.5 cm	Single	Over the Wire	Long Term		SA1406
14Ga	6Fr	6 in	15 cm	Single	Over the Wire	Long Term		SA1415
14Ga	6Fr	8 in	20 cm	Single	Over the Wire	Long Term		SA1420

Gauge Size (Ga)	French Size (FR)	Length (Inches)	Length (Centimeters)	Number of Lumens	Introducer Style	Catheter Type	Special Features	MILA Part Number
13Ga	7Fr	6 in	15 cm	Double	Over the Wire	Long Term		LA7FD15
13Ga	7Fr	8 in	20 cm	Double	Over the Wire	Long Term		LA7FD20
13Ga	7Fr	6 in	15 cm	Triple	Over the Wire	Long Term		LA7FT15
13Ga	7Fr	6 in	15 cm	Double	Over the Wire	Long Term		SA7FD15
13Ga	7Fr	8 in	20 cm	Double	Over the Wire	Long Term		SA7FD20
13Ga	7Fr	12 in	30 cm	Double	Over the Wire	Long Term		SA7FD30
13Ga	7Fr	24 in	60 cm	Double	Over the Wire	Long Term		SA7FD60
13Ga	7Fr	6 in	15 cm	Triple	Over the Wire	Long Term		SA7FT15
13Ga	7Fr	8 in	20 cm	Triple	Over the Wire	Long Term		SA7FT20
13Ga	7Fr	12 in	30 cm	Triple	Over the Wire	Long Term		SA7FT30
13Ga	7Fr	24 in	60 cm	Triple	Over the Wire	Long Term		SA7FT60
12Ga	8Fr	5.25 in	13 cm	Single	Catheter-over-Needle	Long Term		1211
12Ga	8Fr	5.25 in	13 cm	Single	Catheter-over-Needle	Short Term		1212
12Ga	8Fr	5.25 in	13 cm	Single	Catheter-over-Needle	Short Term	Fenestrated	1212F
12Ga	8Fr	8 in	20 cm	Single	Over the Wire	Long Term		B1220
12Ga	8Fr	8 in	20 cm	Single	Over the Wire	Long Term		LA1220
11Ga	8.5Fr	8 in	20 cm	Quadruple	Over the Wire	Long Term		SA8FQ20
10Ga	10Fr	6 in	15 cm	Single	Catheter-over-Needle	Short Term		1006



SCAN TO ACCESS THIS CHART ON YOUR DEVICE.

ITEM #	PAGE	3560	11	175484	75	EDC190/200	56/68	LL1990	10	PIN1/2/3	13	SA7FT20	6
1006	14	3565	11	175490/93	67/72	EDC220/400	56/68	LL2045	10	PIN13/20/28	13	SA7FT30	6
12-004	62	4203/4204	9	175497/98/99	70	EMAC700/L	56/68	LL2425	10	PP1016	32	SA7FT60	6
12-006	62	4205/4205.5	9	175500	73	EMAC800	56/68	LLD1925	10	PP1022	32	SA8FQ20	6
12-007	62	4206/4206.5	9	175590	73/75	EP810	69	LLD2020	10	PP1042	32	SAC4/6	31
12-008	62	5240	77	175720	72	ETA25-90	58	LLD2220	10	PP1216	32	SC15MM	59
12-009	63	5380	59	175800	45	ETC20	58	M5555	35	PP1222	32	SE1215/1415	40
12-010	63	6612	66	175930/50	73	ETC25R-100R	58	MC40/43/44	21	PP1416	32	SE2015/2022	40
12-055	62	6613	66	AF48	73/75	ETE0880	59	MIC-KEY	35	PP1816	32	SE3022	40
12-100	63	6615	66	AR2206	12	ETE10150	59	NB2108	51/64	PP1847	32	SLCBD1	24
1211	14	7100	66	B1220	7	ETE1080	59	NB2110	51/64	PP315/516	32/56	SP07-19	52
1212	14	8080	17	BAL240/300	57/76	ETE1580	59	NB2205	51/64	PP816	32	T1803	64
1212F	15/47	8090	17/78	BE1012	41	ETN10/15	58	NBCA	50	PP822/842	32/56	T1806	64
1402	14	8095	17	BE1415/1420	41	ETUN14/18	39	NBCC	50	PPD	9/15/55	T2025	64
1403	14	8098	17	BE14PAI	41	E-Y	38	NBMP	50	PPD10	9/15/55	T2035	64
1404	14	8099	9/17/78	BE1825/1830	41	EZ1515-1545	11	NB-STIM	50	PPDK8FR/12FR	48	T2215	64
1404F	15/47	8200	9/17	BE18MI	39/41	EZC-S	11	NG1036/1036W	37	PPDK8FR	48	T2225	64
1411	14	8509	23	BE18PAI	41	EZPD-3	11	NG1043/1043W	37	PT625/825	30	T2235	64
1412	14	8515	23	BE22MI	39/41	EZTN15-45	11	NG1055	37	QC143/145	15	TTC35-55	60
1412F	15/47	8518	19	BE26MI	39/41	FCT4/12	66/76	NG1243/1243W	37	QC163/165	15	TTC60-100	60
1510	64	8540	23	BE-ACC	41	FM2000/2400	48	NG1450	37	RFS24	35	TTCIC50-80	60
1603	14	8541	23	BE-BIG60	41	FMRB	48	NG18100	37	RPEG16/20	34	TTNC25-55	60
1604	14	8544	23	BF15/18	12/75	FTE60	36	NG310S	37	RUC655/855	29	TW1228	57/76
1604F	15/47	8545	23	BF200-2	74	FTS18	72	NG522S	37	RUC1055	29	TW1616	56/76
1611	14	8570	21	BF200-3	74	G050	54	NG622/622W	37	SA1406	6	TW1628	56/57/76
1612	14	8572	19	BF200-4	74	G100/150	52/54	NG636	37	SA1415	6	UC1000	27/53
1804	14	8575	19	BFS12	35	G200/400	52/54	NG843	37	SA1420	6	UC1000K	27
1804F	15/47	8585	21	BL8/11	53	GDV1-4	31	NG843W-3	37	SA1609	6	UC1012	28
1806	64	8590	19	BMAN15/18	25	GW1845	9	NG843W-7	37	SA1615	6	UC1018	28
1808	64	8700/8718	19	BMAN8/11/13	25	GW1850N	9	NG855	37	SA1615-2P-PI	8	UC1036	28
1810	64	8518M	19/27	BN1408/1415	25	GW2170N	9	NGP1036	36	SA1620	6	UC1212/1212C	28
1811	14	8530M	19/27	BN1608/1615	25	GW3580N	9	NGP1036S	36	SA1625-2P-PI	8	UC1221/1221C	28
1903	64	8550M	19	BT03/20	44	H2900	49	NGP1036W	36	SA1630	6	UC1409/1409C	28
2008	64	8570M	21	CATMODEL	40	H5300	49	NGP1043/1043W	36	SA1806	6	UC1421/1421C	28
2011	14	8572M	19	CCPADS	39	HDL1216/1225	13	NGP1055	36	SA1815	6	UC1621/1621C	28
2206	64	8573M	21	CCP-XS TO XL	39	HDL716/816	13	NGP1071	36	SA1825	6	UC1625/1625C	28
2217	14	8574M	21	CCS-XS TO XL	39	IC1801-2475	16	NGP1243/1243W	36	SA1915	6	UC1821/1821C	28
2300	33/78	8575M	19	CFS36	57/72/76	IC50-80	60	NGP522S	36	SA1915-PI	8	UC2000K	27
2320	33/78	8576M	21	CG100/150	43	ISK4-9	12	NGP536S	36	SA1925	6	UC2021/2021C	28
2350	27/43/78	8577M	21	CG200/400	43	IV1848-2619	16	NGP622	36	SA1925-PI	8	UC2221/2221C	28
2360	78	8584M	21	CT1206/1210	42	J636-1036	35	NGP622S	36	SA2006	6	UC2416/2416C	28
2370	33/78	8585M	21	CT1215	44	JP4-13	52	NGP622W	36	SA2012	6	UC2459/2459C	28
2380	33/78	8587M	21	CT12FR16	42	LA1220	7	NGP636	36	SA2210	6	UC306/306S	26
2400	57/76/79	8590M	19/27	CT1404/1410	42	LA1415	7	NGP836	36	SA2410	6	UC310/310S	26
2405	79	8V0002	70	CT1415/2015	44	LA1415-2P	7	NGP836S	36	SA4FD08	6	UC412	28
2408	23/79	9100	76	CT2022/3022	44	LA1420	7	NGP843/843W	36	SA4FD08-PI	8	UC506/506S	26
2412	79	9203/9206	61	CTF6	49/53/77	LA1420-2P	7	NGP855	36	SA4FD13	6	UC510/510S	26
2420	61/66/78	9243	61	CTT10S-14S	44	LA1420-A	7	OCRL	67	SA4FD13-PI	8	UC512	28
2440/2445	78	9500/9510	68	CTT16-32	44	LA1420-PI	8	OCRN/OCRN-2	67	SA4FD30	6	UC521	28
2460	78	175042/44	47	CVP35	11	LA1611-A	7	OCS/OCS-2	67	SA5FD08	6	UC600	27/53
2530	79	175052/54	47	CYGA20-28	30/35	LA1615	7	OCSA	67	SA5FD08-PI	8	UC600K	27
2540	79	175056	47	CYT180	56/57/69	LA1615-2P	7	OSD	55	SA5FD13	6	UC612	28
2550	79	175250/55	62/71	CYTB	35	LA1615-A	7	OT2113	31/65	SA5FD13-PI	8	UC624	28
2560	79	175278	71	DBT16-32	53	LA1615-PI	8	OT2125	31/65	SA5FD25	6	UC636	28
2570	79	175380	45	DIFF2-9	61	LA1620	7	OT2140	31/65	SA5FD25-PI	8	UC812	28
2572	79	175420/25	45	E1030	38	LA1620-2P	7	OT2320	65/66	SA5FT08	6	UC824	28
2575	79	175440	46	E1413/1430	38	LA1620-A	7	OT2330	65/66	SA5FT13	6	UC836	28
2580	38/79	175440NB	46/75	E1450	38	LA1620-PI	8	OT3025	65/66	SA5FT30	6	UCG610/810	29
2590	38/79	175450	46	E1806/1808	51/65	LA7FD15	7	OTC2320	65/66	SA7FD15	6	UCT	27
2675	14	175450NB	46/75	E1830	38	LA7FD20	7	OTC2330	65/66	SA7FD20	6	UFC3680	67
3240	11	175460	46	E2008	51/65	LA7FT15	7	PBC20	30/40	SA7FD30	6	UFT28190	67
3360	11	175460NB	46/75	E2103/2104	51/65	LAN180/190	68	PEG16/20	34	SA7FD60	6	UVB60	23/36
3460	11	175480	72	ECD	55/77	LL1945	10	PGS16/20	34	SA7FT15	6	V2030	12

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