

SINCE 1991

MILA

INTERNATIONAL, INC.

Medical Instrumentation for Animals



2025 Catalog

www.milaint.com



Since 1991, MILA International has been committed to advancing veterinary medicine through innovation, education, and customer service. As a global leader in critical care products for animals, we empower veterinary professionals—technicians and doctors alike—by listening to their needs and collaborating to provide cutting-edge solutions.

Our promise is to continually raise the standard of animal healthcare worldwide, ensuring the best possible outcomes for every patient in the most cost-effective way.





**Our NEW address is
1201 Aviation Boulevard
Suite 100
Hebron, Kentucky 41048**



Accessories & Components	124-126	Connectors	55,125	Feeding Tube Extension Set	35,58
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Long-Term Polyurethane Catheter Kits

INDICATIONS:

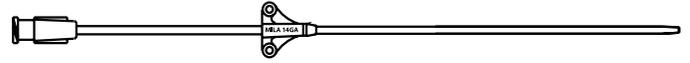
The long-term MILACATH® is indicated for venous administration of drugs or fluids, blood sampling, TPN, and central venous blood pressure monitoring. The catheter's biocompatible material is non-kinking and non-thrombogenic.

Recommended indwell time: Up to 30 days

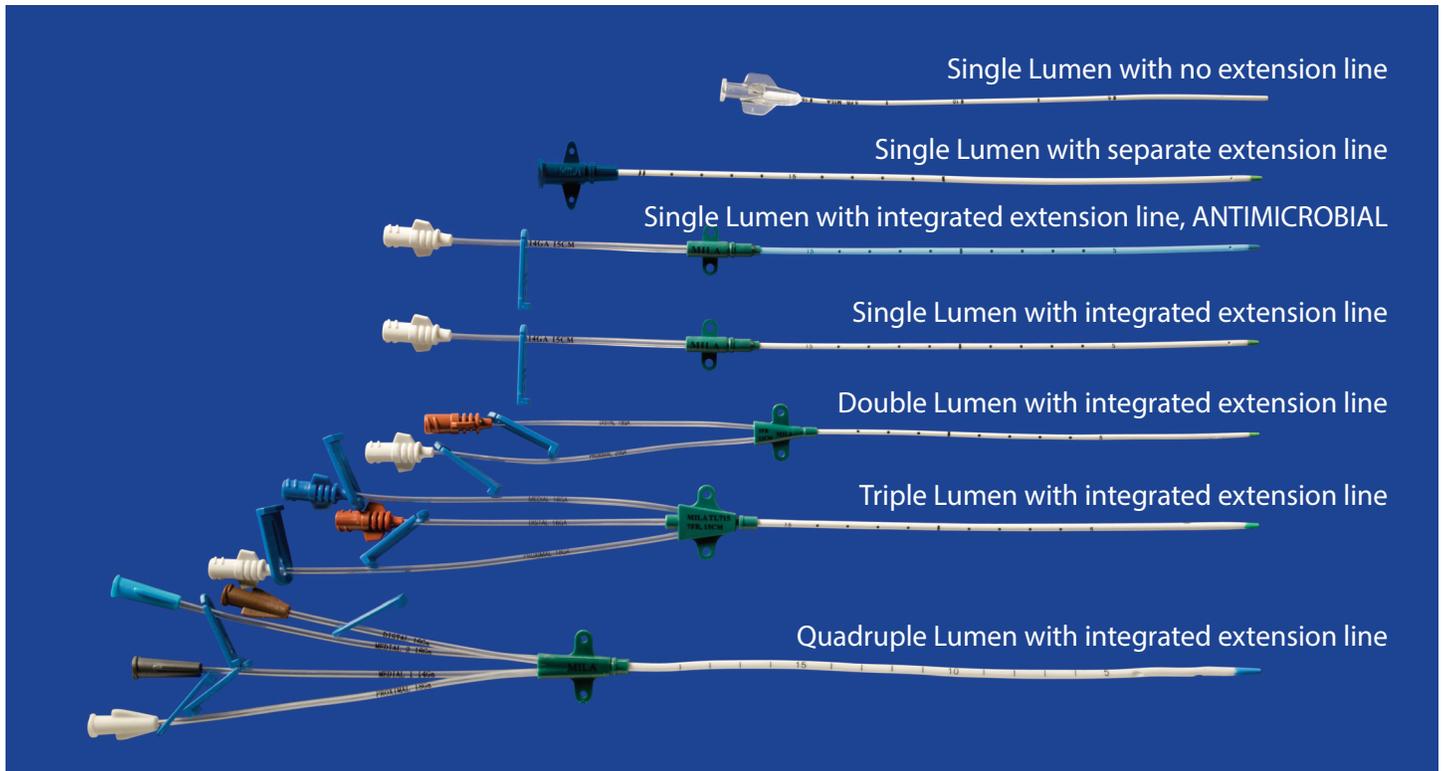
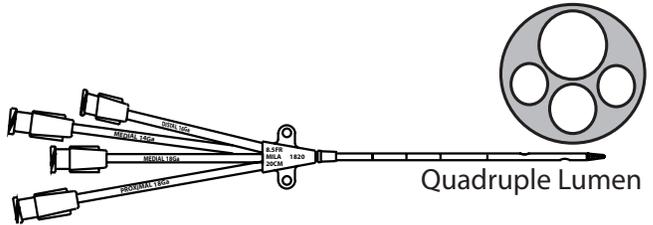
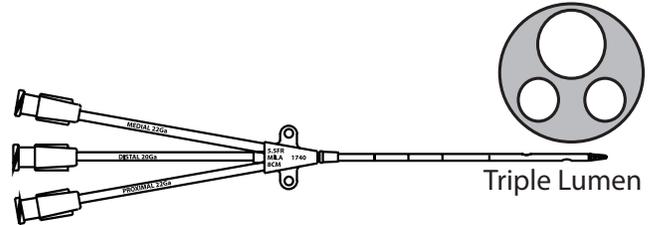
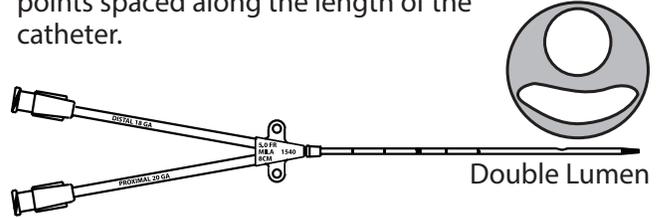
Choose the catheter kit from pages 8-15 based on the features below:

- | | |
|--|---|
| <p>1) Insertion Technique:</p> <ul style="list-style-type: none"> • Guidewire Introduction • Peel-Away Introduction | <p>4) Catheter Length</p> <ul style="list-style-type: none"> • 6.5cm to 60cm |
| <p>2) Animal Size:</p> <ul style="list-style-type: none"> • Large Animal/Equine • Small Animal/Dogs and Cats | <p>5) Catheter Type:</p> <ul style="list-style-type: none"> • Standard • Antimicrobial |
| <p>3) Number of Lumens:</p> <ul style="list-style-type: none"> • Single • Double • Triple • Quadruple | <p>6) Preferred Extensions:</p> <ul style="list-style-type: none"> • Integrated Extension Lines • Separate Extension Lines |

Single Lumen Catheters - Available with integrated or separate extension lines. The 14Ga catheters have a side and distal exit port.



Multi-Lumen Catheters - Each lumen has separate exit points spaced along the length of the catheter.



GUIDEWIRE INTRODUCTION of a Long-Term MILACATH®

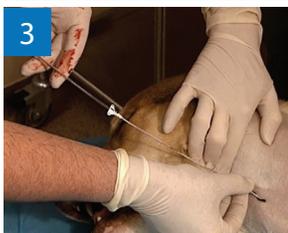


1 **INTRODUCER:** Use the provided catheter-over-needle to cannulate the vein. Confirm placement in the vein by a flashback of blood into the stylet hub. Remove the needle.



2 **GUIDEWIRE:** Using the thumb notch, retract the curved "J" tip. Place the tip of the guidewire introducer into the catheter hub and feed the guidewire slowly using the thumb notch.

****ALWAYS HOLD ON TO THE GUIDEWIRE****



3 **TISSUE DILATOR:** Keeping the guidewire stable, remove the introducer catheter. Feed the dilator onto the guidewire. Pinch the skin proximal to the insertion site to create a skin tent and use firm pressure to introduce the dilator. Use the provided scalpel to make a small skin nick if needed. Do not feed the dilator and guidewire as one unit.



4 **CATHETER:** Keeping the guidewire stable with your non-dominant hand, remove the dilator. Feed the catheter onto the wire, paying close attention to the wire as it exits the distal port. **DO NOT INSERT THE CATHETER IF THE WIRE HAS NOT EXITED THE OTHER END. **ALWAYS HOLD ON TO THE GUIDEWIRE. ****



5 When the catheter has been placed to the required depth, remove the guidewire. Secure the catheter in place with the included suture. If the final indwelling depth is not at the catheter hub, use the included suture wing and blue clamp to secure the extended external length in place at the insertion site.



Guidewire Introduction

PEEL-AWAY INTRODUCTION of a Long-Term MILACATH®



1 **PEEL-AWAY INTRODUCER:** Cannulate the vein holding the stylet and peel-away sheath together with the handles flat against the skin. Confirm placement in the vein by a flashback of blood into the hub. Remove the stylet while stabilizing the introducer sheath.



2 **CATHETER:** Feed the catheter into the introducer sheath to the required depth.



3 Hold catheter hub or extension set against the animal. Grasp the blue handles with both hands and snap away from the hub to break them apart. Gently pull the introducer sheath out of the insertion site ~0.5cm at a time. Pull the handles away from each other to tear the sheath apart. Take care to avoid splitting the peel-away directly at the insertion site.

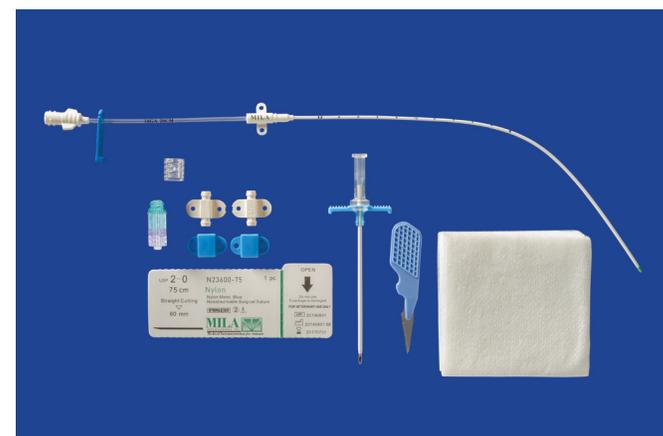


4 Once the peel-away has been completely split and removed, push the remainder of the catheter to the required depth.



5 Secure the catheter in place with the included suture. Sutures through the wing eyelets should be pulled toward the insertion site. If the final indwelling depth is not at the catheter hub, use the included suture wing and blue clamp to secure the extended external length in place at the insertion site.

Photos courtesy of Hagyard Equine Medical Institute



Peel-Away Introduction

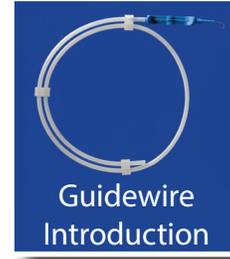


Long-Term MILACATH® – SINGLE LUMEN

Indwell Time
Up to 30 days



Single Lumen Catheters:
Available with integrated or separate extension lines.
The 14Ga catheters have a side and distal exit port.



Guidewire
Introduction



Soft, green tip
minimizes the risk
of vessel trauma

Everything you need to place and secure the catheter.



SMALL ANIMAL KITS INCLUDE:

- Single Lumen Catheter
- Integrated Extension Line with Clamp
- Suture Wing(s)
- Suture Clamp(s)
- Guidewire Inside Coiled Housing
- Dilator(s)
- Catheter-over-Needle Introducer(s)
- Size 11 Scalpel
- 3-0 Nylon Suture with Curved Needle
- 3-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valve
- Stemless Cap
- Fenestrated Drape
- Gauze (4)

LARGE ANIMAL KITS INCLUDE:

- Single Lumen Catheter
- Extension Line with Clamp (integrated or separate)
- Suture Wing(s)
- Suture Clamp(s)
- Guidewire Inside Coiled Housing
- Dilator(s)
- Catheter-over-Needle Introducer(s)
- Size 15 Scalpel
- 2-0 Nylon Suture with Curved Needle
- 2-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valve
- Stemless Cap
- Gauze (4)
- Tethered cap (#8090) included in LA1615-2P, LA1620-2P, LA1415-2P, and LA1420-2P instead of a stasis valve and stemless cap



Small Animal Kits

GAUGE	FRENCH	LENGTH	INTRODUCER	ITEM #
24Ga	1.7Fr	10cm (4in)	22Ga	SA2410
22Ga	2Fr	10cm (4in)	22Ga	SA2210
20Ga	3Fr	6.5cm (2.6in)	20Ga	SA2006
20Ga	3Fr	12cm (4.7in)	20Ga	SA2012
19Ga	3.5Fr	15cm (6in)	20Ga	SA1915*
19Ga	3.5Fr	25cm (10in)	20Ga	SA1925*
18Ga	4Fr	6.5cm (2.6in)	20Ga	SA1806
18Ga	4Fr	15cm (6in)	20Ga	SA1815
18Ga	4Fr	25cm (10in)	20Ga	SA1825
16Ga	5Fr	9cm (3.5in)	18Ga	SA1609
16Ga	5Fr	15cm (6in)	18Ga	SA1615
16Ga	5Fr	20cm (8in)	18Ga	SA1620
16Ga	5Fr	30cm (12in)	18Ga	SA1630
14Ga	6Fr	20cm (8in)	16Ga	SA1420

*extension not included



MILA Associate Pet
Teddy



MILA Associate Pets
Scrappy & Rufus

Large Animal Kits

GAUGE	FRENCH	LENGTH	CATHETER INTRODUCER(S)	NEEDLE INTRODUCER		ITEM #
16Ga	5Fr	15cm (6in)	18Ga, 16Ga	16Ga	FOALS	LA1615
16Ga	5Fr	20cm (8in)	16Ga	16Ga	FOALS	LA1620
14Ga	6Fr	15cm (6in)	14Ga	14Ga		LA1415
14Ga	6Fr	20cm (8in)	14Ga	14Ga		LA1420
12Ga	8Fr	20cm (8in)	14Ga	14Ga		LA1220
16Ga	5Fr	11cm (4.5in)	18Ga, 16Ga	16Ga	FOALS	LA1611-A**
16Ga	5Fr	15cm (6in)	18Ga, 16Ga	16Ga	FOALS	LA1615-A**
16Ga	5Fr	20cm (8in)	16Ga	16Ga	FOALS	LA1620-A**
14Ga	6Fr	20cm (8in)	14Ga	14Ga		LA1420-A**

BOVINE KIT INCLUDES: CATHETER, INTRODUCER, GUIDEWIRE, DILATOR, SUTURE WINGS WITH CLAMPS, STASIS VALVE, AND CAP

12Ga	8Fr	20cm (8in)		14Ga	BOVINE	B1220
16Ga	5Fr	15cm (6in)	18Ga, 16Ga	16Ga	FOALS	LA1615-2P***
16Ga	5Fr	20cm (8in)	16Ga	16Ga	FOALS	LA1620-2P***
14Ga	6Fr	15cm (6in)	14Ga	14Ga		LA1415-2P***
14Ga	6Fr	20cm (8in)	14Ga	14Ga		LA1420-2P***

**Antimicrobial catheters feature silver zirconium phosphate throughout the catheter body to inhibit bacteria growth without the risk of bacterial resistance.

***Separate extension with tethered cap instead of stasis valve and stemless cap



2P Catheter

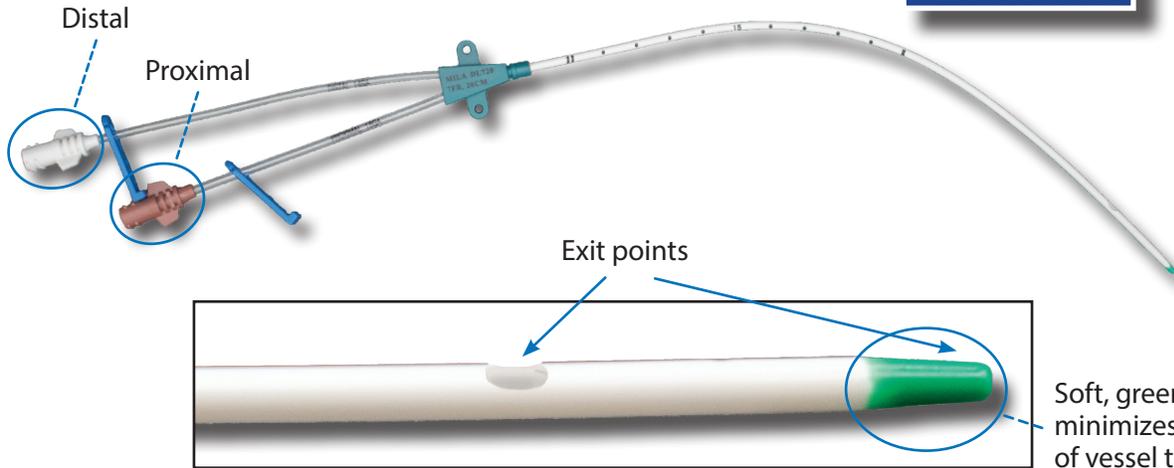
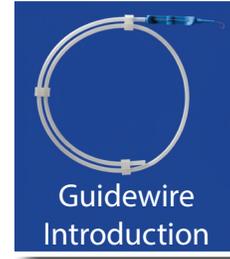


Long-Term MILACATH® – DOUBLE LUMEN

Indwell Time
Up to 30 days



Double Lumen Catheters - Each lumen has separate exit points spaced along the length of the catheter.



Everything you need to place and secure the catheter.



SMALL ANIMAL KITS INCLUDE:

- Double Lumen Catheter
- Integrated Extension Line with Clamp
- Suture Wing(s)
- Suture Clamp(s)
- Guidewire Inside Coiled Housing
- Dilator(s)
- Catheter-over-Needle Introducer(s)
- Size 11 Scalpel
- 3-0 Nylon Suture with Curved Needle
- 3-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valves (2)
- Stemless Caps (2)
- Fenestrated Drape
- Gauze (4)

Now packaged with
MILA VuSite™
Window Dressing (Item # WD7)

*Only in select kits. See chart on next page.

LARGE ANIMAL KITS INCLUDE:

- Double Lumen Catheter
- Integrated Extension Line with Clamp
- Suture Wing(s)
- Suture Clamp(s)
- Guidewire Inside Coiled Housing
- Dilator(s)
- Catheter-over-Needle Introducer(s)
- Size 15 Scalpel
- 2-0 Nylon Suture with Curved Needle
- 2-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valves (2)
- Stemless Caps (2)
- Gauze (4)



Small Animal Kits

SIZE	LENGTH	LUMENS	INTRODUCER	MILA VuSite™	ITEM#
4Fr	8cm (3in)	22Ga(2)	20Ga		SA4FD08
4Fr	13cm (5in)	22Ga(2)	20Ga		SA4FD13
4Fr	30cm (12in)	22Ga (2)	20Ga		SA4FD30
5Fr	8cm (3in)	18Ga & 20Ga	20Ga	✓	SA5FD08
5Fr	13cm (5in)	18Ga & 20Ga	20Ga	✓	SA5FD13
5Fr	25cm (10in)	18Ga & 20Ga	20Ga	✓	SA5FD25
7Fr	15cm (6in)	14Ga & 18Ga	18Ga	✓	SA7FD15
7Fr	20cm (8in)	14Ga & 18Ga	18Ga	✓	SA7FD20
7Fr	30cm (12in)	14Ga & 18Ga	18Ga	✓	SA7FD30
7Fr	60cm (24in)	16Ga (2)	18Ga	✓	SA7FD60

MILA Associate Pet
Skye



MILA Associate Pet
Sandringham



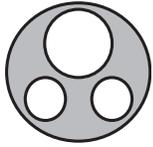
Large Animal Kits

SIZE	LENGTH	LUMENS	INTRODUCER	ITEM#
7Fr	15cm (6in)	14Ga & 18Ga	14Ga & 16Ga	LA7FD15
7Fr	20cm (8in)	14Ga & 18Ga	14Ga & 16Ga	LA7FD20

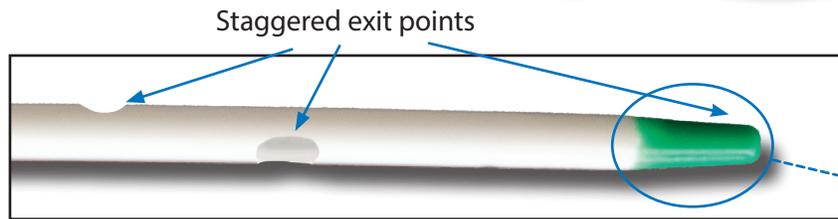
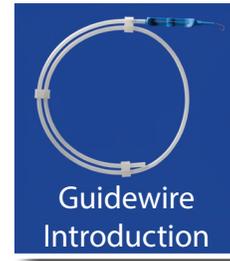
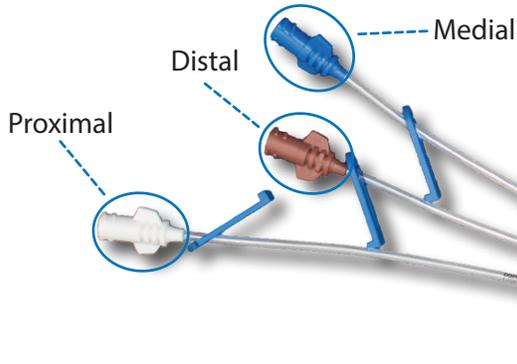


Long-Term MILACATH® – TRIPLE LUMEN

Indwell Time
Up to 30 days



Triple Lumen Catheters:
Each lumen has separate exit points
spaced along the length of the catheter.



Soft, green tip
minimizes the risk
of vessel trauma

Everything you need to place and secure the catheter.



SMALL ANIMAL KITS INCLUDE:

- Triple Lumen Catheter
- Integrated Extension Line with Clamp
- Suture Wing(s)
- Suture Clamp(s)
- Guidewire Inside Coiled Housing
- Dilator(s)
- Catheter-over-Needle Introducer(s)
- Size 11 Scalpel
- 3-0 Nylon Suture with Curved Needle
- 3-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valves (3)
- Stemless Caps (3)
- Fenestrated Drape
- Gauze (4)

Now packaged with
MILA VuSite™
Window Dressing (Item # WD7)

LARGE ANIMAL KITS INCLUDE:

- Triple Lumen Catheter
- Integrated Extension Line with Clamp
- Suture Wing(s)
- Suture Clamp(s)
- Guidewire Inside Coiled Housing
- Dilator(s)
- Catheter-over-Needle Introducer(s)
- Size 15 Scalpel
- 2-0 Nylon Suture with Curved Needle
- 2-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valves (3)
- Stemless Cap (3)
- Gauze (4)



Small Animal Kits

SIZE	LENGTH	LUMENS	INTRODUCER	MILA VuSite™	ITEM#
5.5Fr	8cm (3in)	20Ga & 22Ga(2)	20Ga	✓	SA5FT08
5.5Fr	13cm (5in)	20Ga & 22Ga(2)	20Ga	✓	SA5FT13
5.5Fr	30cm (12in)	20Ga & 22Ga(2)	20Ga	✓	SA5FT30
7Fr	15cm (6in)	16Ga & 18Ga(2)	18Ga	✓	SA7FT15
7Fr	20cm (8in)	16Ga & 18Ga(2)	18Ga	✓	SA7FT20
7Fr	30cm (12in)	16Ga & 18Ga(2)	18Ga	✓	SA7FT30
7Fr	60cm (24in)	16Ga & 18Ga(2)	18Ga	✓	SA7FT60

MILA Associate Pet
Luna



MILA Associate Pet
Misty



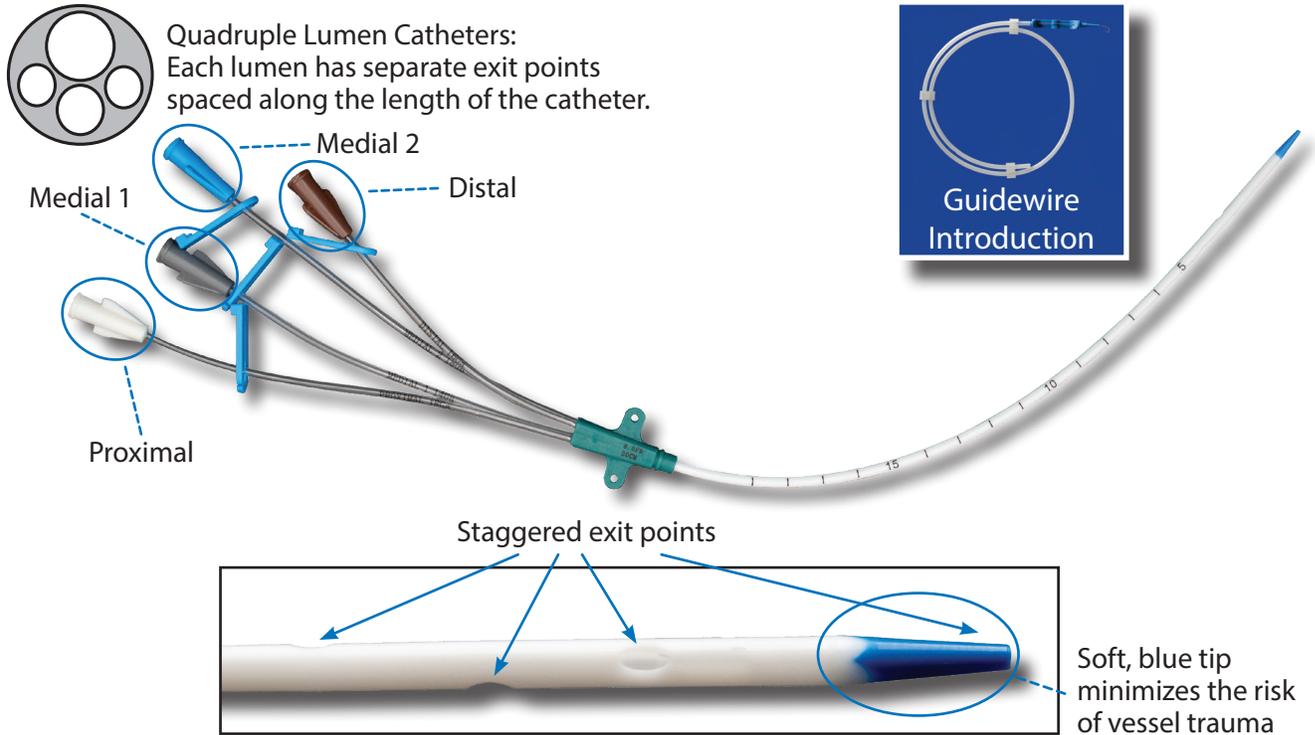
Large Animal Kits

SIZE	LENGTH	LUMENS	INTRODUCER	ITEM#
7Fr	15cm (6in)	16Ga & 18Ga(2)	16Ga	LA7FT15



Long-Term MILACATH® – QUADRUPLE LUMEN

**Indwell Time
Up to 30 days**



Everything you need to place and secure the catheter.



SMALL ANIMAL KITS INCLUDE:

- Quadruple Lumen Catheter
- Integrated Extension Line with Clamp
- Suture Wing(s)
- Suture Clamp(s)
- Guidewire Inside Coiled Housing
- Dilator(s)
- Catheter-over-Needle Introducer(s)
- Size 11 Scalpel
- 3-0 Nylon Suture with Curved Needle
- 3-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valves (4)
- Stemless Caps (4)
- Fenestrated Drape
- Gauze (4)

Now packaged with
MILA VuSite™
 Window Dressing (Item # WD7)

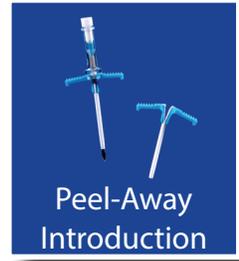


SIZE	LENGTH	LUMEN(S)	INTRODUCER	MILA VuSite™	ITEM #
8.5Fr	20cm (8in)	16Ga, 14Ga & 18Ga(2)	18Ga	✓	SA8FQ20

Long-Term MILACATH® - Small and Large Animal Kits PEEL-AWAY INTRODUCTION

**Indwell Time
Up to 30 days**

LONG-TERM CATHETERS



Everything you need to place and secure the catheter.



SMALL ANIMAL KITS INCLUDE:

- Peel-Away Introducer
- Catheter with Integrated Extension(s) and Clamp(s)
- Suture Wing(s)
- Suture Clamp(s)
- Size 11 Scalpel
- 3-0 Nylon Suture with Curved Needle
- 3-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valve(s)
- Stemless Cap(s)
- Fenestrated Drape
- Gauze (4)

LARGE ANIMAL KITS INCLUDE:

- Peel-Away Introducer
- Catheter with Integrated Extension and Clamp
- Suture Wing(s)
- Suture Clamp(s)
- Size 15 Scalpel
- 2-0 Nylon Suture with Curved Needle
- 2-0 Nylon Suture with Straight Needle
- Needle-Free Stasis Valve
- Stemless Cap
- Gauze (4)

SMALL ANIMAL Single Lumen

GAUGE	FRENCH	LENGTH	LUMEN(S)	PEEL-AWAY INTRODUCER	ITEM #
19Ga	3.5Fr	15cm (6in)		4Fr x 3.75cm (1.5in)	SA1915-PI*
19Ga	3.5Fr	25cm (10in)		4Fr x 3.75cm (1.5in)	SA1925-PI*

*extension not include

SMALL ANIMAL Double Lumen with Integrated Extension Line

18Ga	4Fr	8cm (3in)	22Ga(2)	4Fr x 3.75cm (1.5in)	SA4FD08-PI
18Ga	4Fr	13cm (5in)	22Ga(2)	4Fr x 3.75cm (1.5in)	SA4FD13-PI
16Ga	5Fr	8cm (3in)	18Ga & 20Ga	5Fr x 3.75cm (1.5in)	SA5FD08-PI
16Ga	5Fr	13cm (5in)	18Ga & 20Ga	5Fr x 3.75cm (1.5in)	SA5FD13-PI

LARGE ANIMAL Single Lumen with Integrated Extension Line

16Ga	5Fr	15cm (6in)		5Fr x 3.75cm (1.5in)	FOALS LA1615-PI
14Ga	6Fr	20cm (8in)		6Fr x 3.75cm (1.5in)	LA1420-PI

Guidewires



DIAMETER	LENGTH	MATERIAL	ITEM #
0.018in	45cm	Stainless Steel	GW1845
0.018in	50cm	Hydrophilic Nitinol	GW1850N
0.035in	80cm	Hydrophilic Nitinol	GW3580N

Peel-Away Introducers

Facilitate the placement of catheters with these high-quality introducers. They peel apart cleanly after introduction. Used in MILA long-term catheter kits and PICC kits.

GAUGE	FRENCH	LENGTH	ITEM #
20Ga	3Fr	3.75cm (1.5in)	4203
18Ga	4Fr	3.75cm (1.5in)	4204
16Ga	5Fr	3.75cm (1.5in)	4205.5
16Ga	5Fr	6.25cm (2.5in)	4205
14Ga	6Fr	3.75cm (1.5in)	4206.5
14Ga	6Fr	6.25cm (2.5in)	4206



MILA VuSite™ Transparent Film Dressing with Border

NEW!



- Breathable transparent barrier to protect catheter insertion site from contamination and reduce risk of infection
- Adhesive specifically designed to provide a strong hold on animal skin, preventing catheter migration
- **Keeps insertion site visible** and can remain in place up to 7 days
- Highly conformable polyurethane film with a nonwoven border for increased flexibility and integrity
- 7cm x 7cm Dressing with 4cm x 3.5cm window

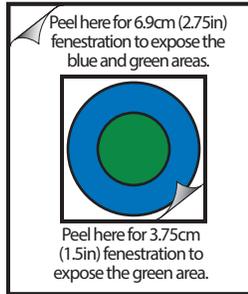
DESCRIPTION	ITEM #
MILA VuSite™ Transparent Film Dressing	WD7
	Box of 20

Additional adhesive strips and date label provided on MILA VuSite™ paper backing

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
- Great for keeping patients clean and dry during DENTAL PROCEDURES - Simply put the muzzle through the fenestration
- Item #PPD10 contains TEN drapes, each individually packaged and sterile



DESCRIPTION	ITEM #
Pick & Peel Surgical Drape	PPD
Pick & Peel Surgical Drape - 10 Pack Better Value	PPD10

Stasis Valve

The only injection port you need for ALL applications

Needle-free connector that prevents blood reflux into the catheter.

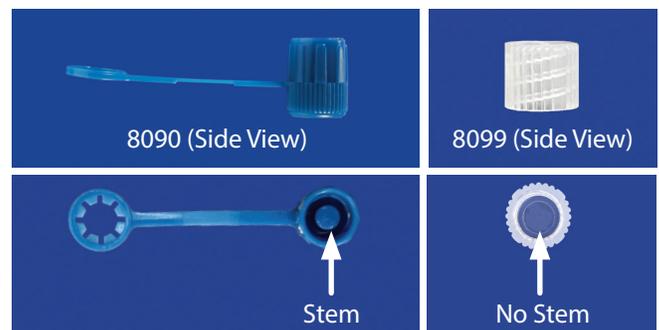
- Reduces the risk of occlusion and eliminates the need to clamp the line when not in use
- Heparin not required
- Higher flow rate than MicroClave®



DESCRIPTION	ITEM #
Stasis Valve (Neutral Displacement Injection Port)	8200

Caps

- **Tethered Cap** (item #8090) attaches to the catheter or extension hub to cover the injection port. *Not for use with stasis valves or MicroClaves® because internal stem will keep valves open*
- **Stemless Luer Lock Cap** (item #8099) 10 pack, non-sterile. Keeps injection ports clean without opening the valve, works with all needle-free injection ports, including stasis valves



DESCRIPTION	ITEM #
Tethered Cap	8090
Stemless Luer Lock Cap (10 Pack)	8099

Drum Long Line Catheter

Catheter-through-Catheter Introduction Style

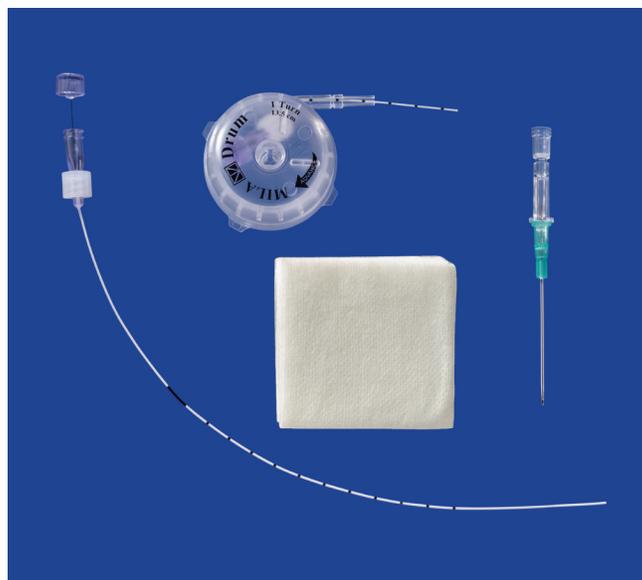
**Indwell Time
Up to 30 days**



- Recommended for administration of vesicant drugs (hypertonic solutions, chemotherapeutics, vasopressors, etc.) and/or serial blood draws
- The drum houses the long catheter and is an advancement system designed to minimize the risk of touch contamination
- Introduction technique: Long catheter through introducer catheter
- The **introducer catheter remains indwelling** and the long catheter hub screws onto the introducer catheter hub. Because 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
- Kit includes:
 1. Catheter-over-needle introducer
 2. Long catheter with stiffening wire stylet
 3. Drum
 4. Gauze

IDEAL FOR:

1. Administration of vasopressor (e.g., norepinephrine) when a central line is not feasible
2. High-concentrated dextrose administration to crashing hypoglycemic patient
3. Serial blood draws
4. Blood glucose curves



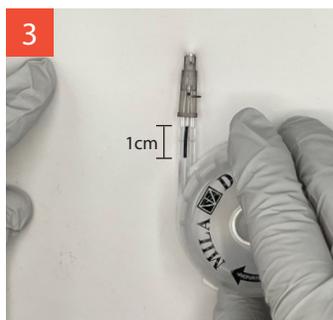
SIZE	LENGTH	INTRODUCER	ITEM #
22Ga	20cm (8in)	20Ga	LLD2220
20Ga	20cm (8in)	18Ga	LLD2020
19Ga	25cm (10in)	16Ga	LLD1925



1 Insert introducer catheter into vessel. Remove needle.



2 Insert tip of drum into catheter hub.



3 Rotate wheel clockwise to advance the long catheter until the long black mark appears.



4 Gently pop open the drum.



5 Further advance the long catheter manually and luer lock the two hubs together.



6 Remove stiffening stylet from long catheter.



7 Confirm placement by aspiration of blood, then attach a stasis valve or extension set and flush.



8 Place gauze underneath catheter hub to absorb pressure from the hub.

*Pick & Peel Drape recommended for sterile field, see page 17.

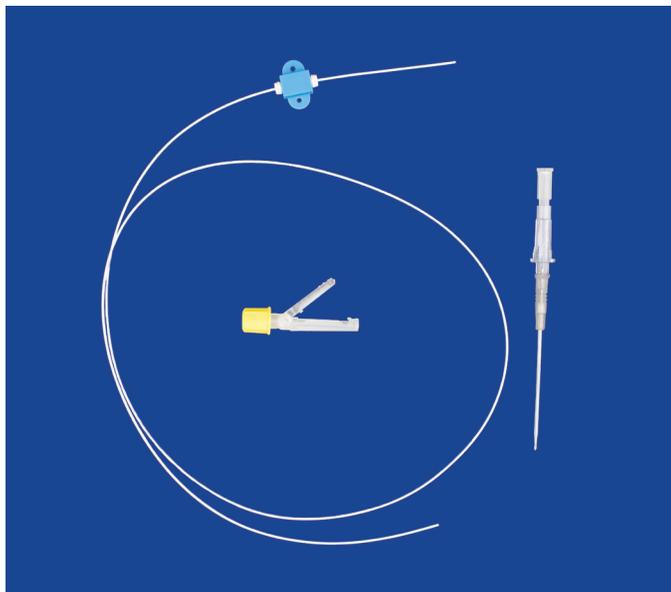
Long Line Catheters

Catheter-through-Catheter Introduction Style



- Length-adjustable, radiopaque catheter for long-term venous access
- Kink-resistant polyurethane catheter can be cut to desired length after placement
- Once the long catheter is inserted to the required depth, the introducer catheter is removed and a female access clamp is attached
- Kit includes:
 1. Catheter-over-needle introducer
 2. Long line catheter
 3. Suture wing
 4. Female luer access clamp

GAUGE	FRENCH	LENGTH	ITEM #
20Ga	3.0Fr	45cm (18in)	LL2045
19Ga	3.2Fr	45cm (18in)	LL1945
19Ga	3.2Fr	90cm (36in)	LL1990



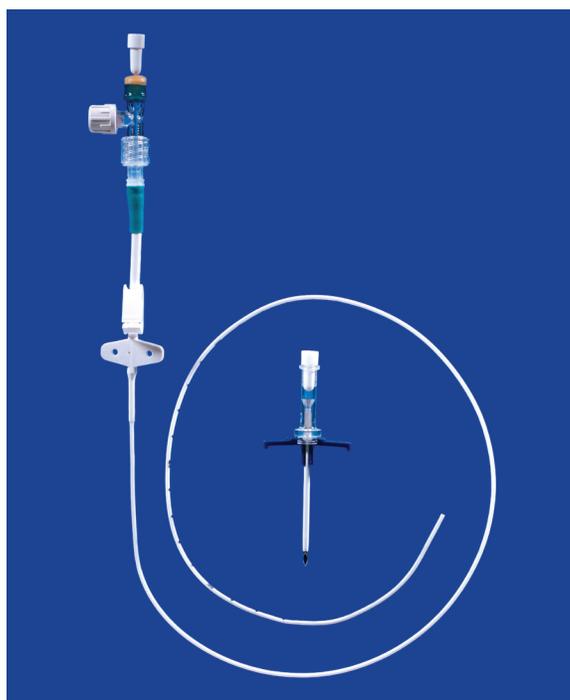
PICC - Silicone Catheter Kit

Catheter-through-Peel-Away Introducer



- Length-adjustable, radiopaque silicone catheter for long-term venous access (30+ days)
- Insertion method via peel-away introducer
- Catheter has a wire stylet to facilitate advancement
- Kit includes:
 1. Peel-Away introducer
 2. Catheter with wire stylet
 3. Tape measure

FRENCH	GAUGE	LENGTH	LUMENS	ITEM #
1.9Fr	23Ga	40cm (16in)	Single	3240
3Fr	20Ga	60cm (24in)	Single	3360
4Fr	18Ga	60cm (24in)	Single	3460
5Fr	16Ga	60cm (24in)	Single	3560
5Fr	18Ga(2)	60cm (24in)	Double	3565



*Pick & Peel Drape recommended for sterile field, see page 17.

EZ-IO® Intraosseous Catheter Kit



- Emergency delivery of fluid, medications, and blood products directly into the circulatory system within seconds via intramedullary vasculature
- Stainless steel two-part needle consists of:
 1. Outer cannula with depth marks and forked tip
 2. Solid, non-coring, sharp inner cannula
- No bone splintering as with competitive systems
- Training needles are a non-sterile, economical option; sterilize with cold sterilant or EO gas
- Power driver has a sealed lithium battery

DESCRIPTION	GAUGE	LENGTH	ITEM #
Power Driver - G3			EZPD-3
Needle	15Ga	1.5cm	EZ1515
Needle	15Ga	2.5cm	EZ1525
Needle	15Ga	4.5cm	EZ1545
Training Needle	15Ga	1.5cm	EZTN15
Training Needle	15Ga	2.5cm	EZTN25
Training Needle	15Ga	4.5cm	EZTN45
Carrying Case - Soft Sided			EZC-S

Pick & Peel Drape recommended for sterile field, see page 17.



"We have found the EZ-IO® very useful for patient care in our Emergency and Critical Care Department. It is easy to use, and we train our 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

Manual Bone Marrow Needle

- Triple sharpened tip to allow a non-traumatic, fast penetration for IO access
- Adjustable needle for precise insertion depth during placement
- Luer lock connection for syringe or extension set

SIZE	LENGTH	COLOR	ITEM #
18Ga	2cm (0.78in)	Pink	BMAN18
15Ga	3cm (1.25in)	Blue	BMAN15

Length Adjustable





MILA Associate Pet
Rigby



MILA Associate Pet
Bubba



MILA Associate Pet
Minthara



In Loving Memory of
MILA Associate Pet
Kylo

IV Break-Away Device

NEW!

- Connects between the fluid administration line and the IV catheter extension
- Prevents the catheter extension from being dislodged from excessive pull force
- Supports gravity flow rates of >220mL/min
- No blood loss or mess from broken IV lines
- Easy to reassemble - disinfect both ends and reconnect
- Each end automatically closes when disconnected

DESCRIPTION

IV Break-Away Device

ITEM #

IVBA



Disinfect and Reconnect!

MILA VuSite™ Transparent Film Dressing with Border

NEW!

- Breathable transparent barrier to protect catheter insertion site from contamination and reduce risk of infection
- Adhesive specifically designed to provide a strong hold on animal skin, preventing catheter migration
- **Keeps insertion site visible** and can remain in place up to 7 days
- Highly conformable polyurethane film with a nonwoven border for increased flexibility and integrity
- 7cm x 7cm Dressing with 4cm x 3.5cm window



Photo courtesy of Carolyn Tai, CVT, VTS (ECC) (SAIM), Tufts University

DESCRIPTION

MILA VuSite™ Transparent Film Dressing

ITEM #

WD7
Box of 20



MILA Guardian™

Protective Foam Disc with Chlorhexidine Gluconate (CHG)

CLINICALLY PROVEN TO REDUCE THE RISK OF CATHETER-RELATED INFECTIONS

- Chlorhexidine dressing for 360° of skin antisepsis, protecting the entire insertion site of percutaneous devices
- Designed to reduce risk of infection by absorbing exudate and inhibiting or killing bacteria
- 2.54cm (1in) diameter with 7mm center opening and radial slit for easy placement
- Each disc provides **7 DAYS** of protection
- Can be secured in place with the MILA VuSite™ (see above)

DESCRIPTION

MILA Guardian™

ITEM #

DR7

Ideal for Drains, Esophagostomy Tubes and Hemodialysis Catheters

Actual size of MILA Guardian™



Photo courtesy of Carolyn Tai, CVT, VTS (ECC) (SAIM), Tufts University

Pre-Filled Saline Syringes

For U.S. Customers Only

3mL Pre-Filled Saline in 5mL Syringe
10mL Pre-Filled Saline in 10mL Syringe

NO MORE MANUALLY FILLING YOUR IV FLUSH SYRINGES!

REDUCE RISK OF NOSICOMIAL INFECTION

- Terminally sterilized with a sterile fluid path and approved for use in a sterile field
- Studies show virtually 0% contamination rate for pre-filled flush syringes manufactured by companies that utilize terminal sterilization^{1,2,3}
- Reduce medication errors and contamination risks associated with manually filled syringes
- Manually prepared flush syringes have been associated with higher rates of catheter-related bloodstream infections (CRBSI)^{4,5}

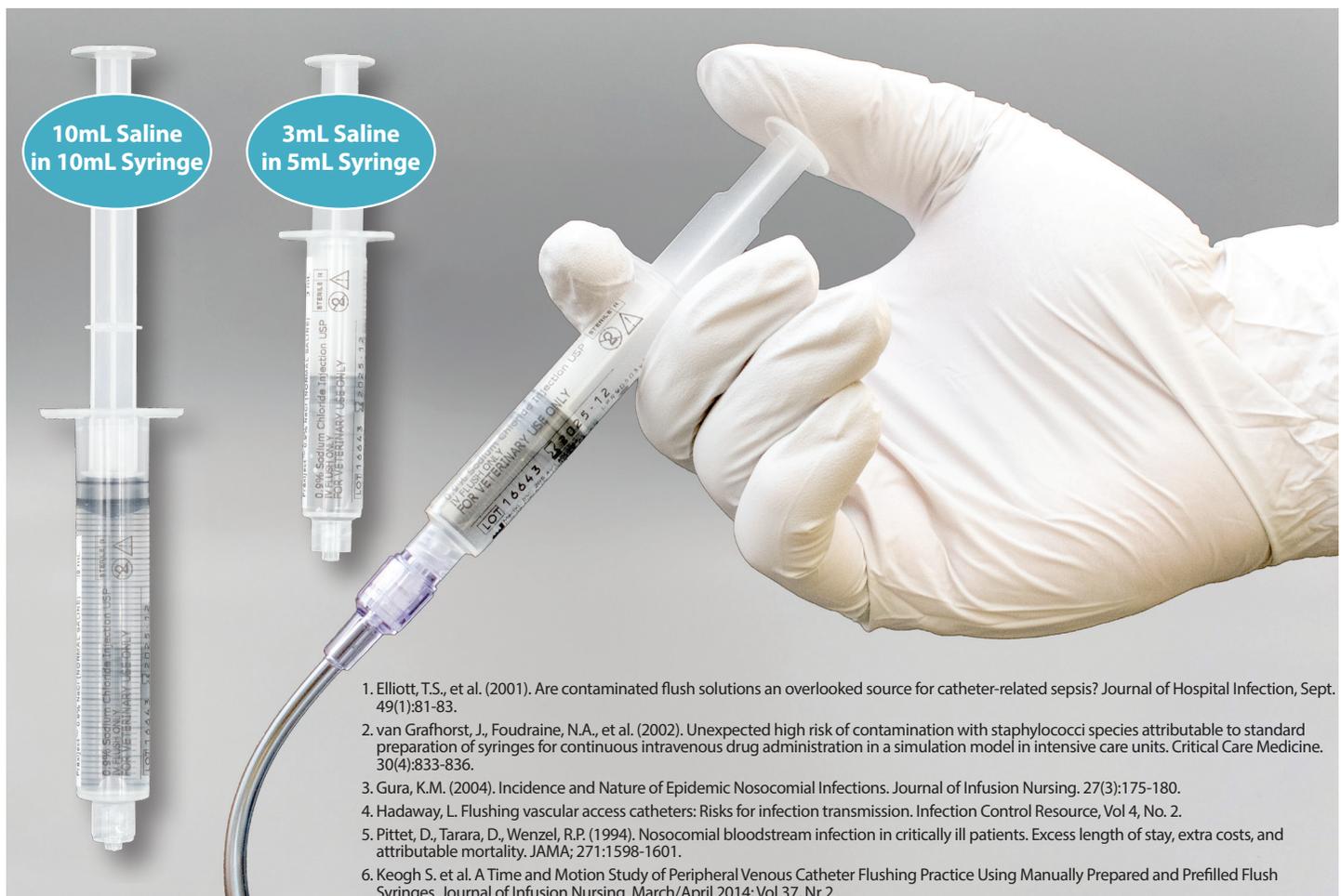
REDUCE COST

- Pre-filled flush syringes are less expensive than manually prepared syringes when all factors are included in the cost
- Ready-to-use, pre-filled, and pre-assembled; no additional components to buy
- Reduces catheter flushing time in comparison to manually prepared flush syringes⁶
- No more wasted time filling syringes! Improve staff efficiency and workflow by eliminating steps and time involved in the manual preparation of saline syringes

DESCRIPTION

	ITEM #
Pre-filled syringe, 3mL of 0.9% Sodium Chloride Injection USP in a 5mL syringe, IV Flush Only	90503 Box of 720
Pre-filled syringe, 10mL of 0.9% Sodium Chloride Injection USP in a 10mL syringe, IV Flush Only	91110 Box of 180

NEW SIZE



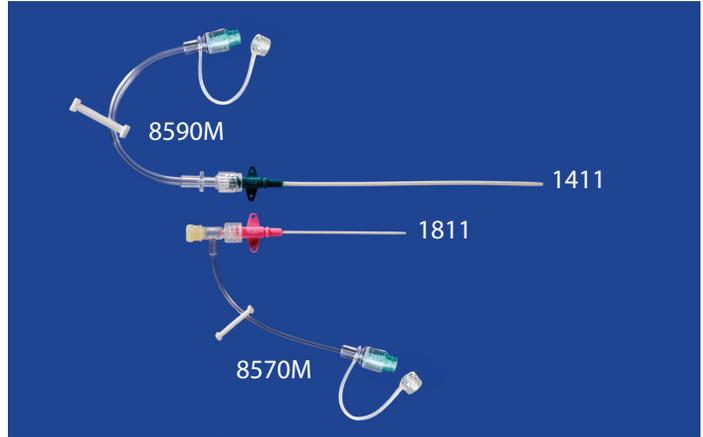
Extended Use MILACATH®
Catheter-over-Needle Introduction Style

**Indwell Time
Up to 30 days**

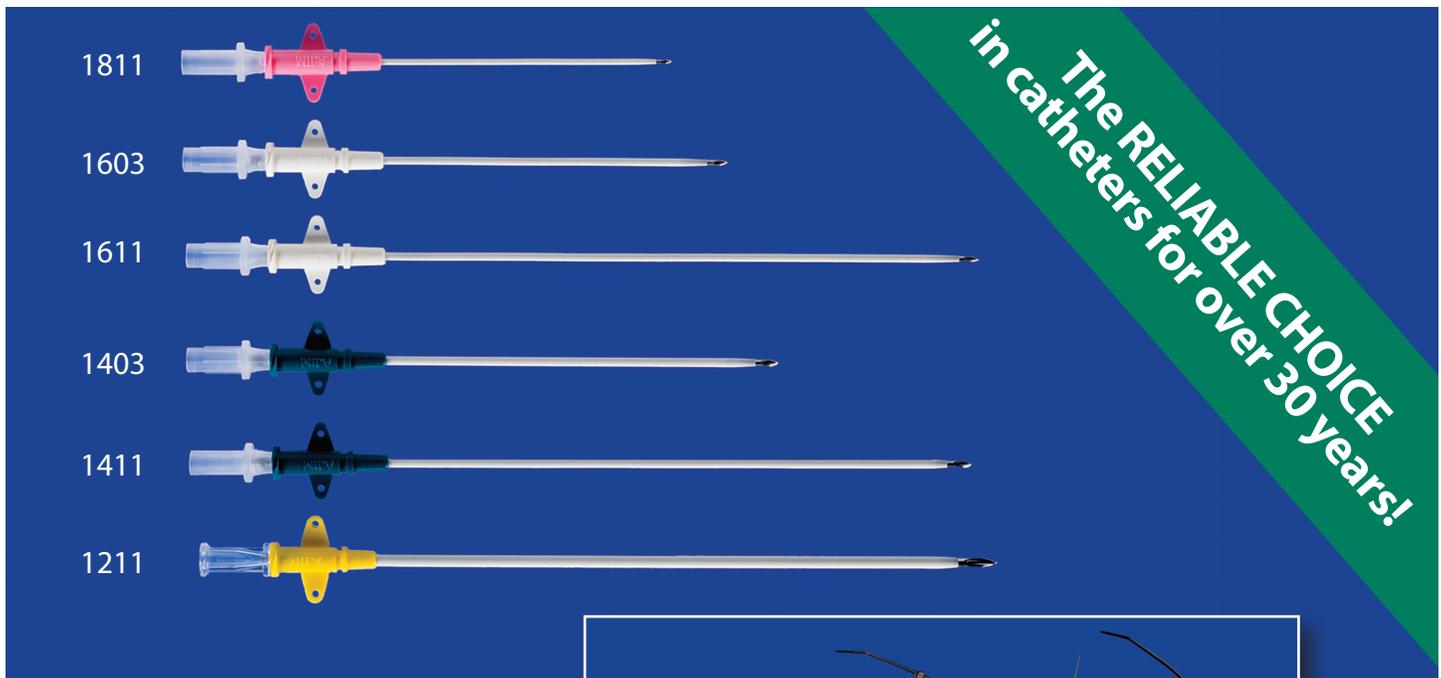


- Kink and break-resistant polyurethane catheter-over-needle
- Radiopaque
- Can be left indwelling up to 30 days
- Integrated suture wing with suture groove

SIZE	LENGTH	ITEM #
18Ga	6.25cm (2.5in)	1811
16Ga	7.5cm (3.0in)	1603
16Ga	13cm (5.25in)	1611
14Ga	9cm (3.5in)	1403
14Ga	13cm (5.25in)	1411
12Ga	13cm (5.25in)	1211



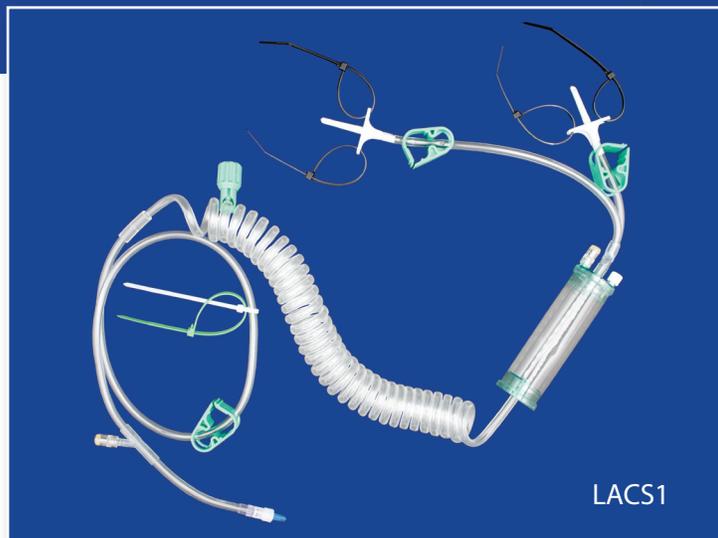
The *original* MILA Catheter: 1411



**The RELIABLE CHOICE
in catheters for over 30 years!**

See pages 27-35 for extension sets and ports.

**Use with
MILA DuraFlow™
Large Animal IV Coil Set**
See page 108 for details

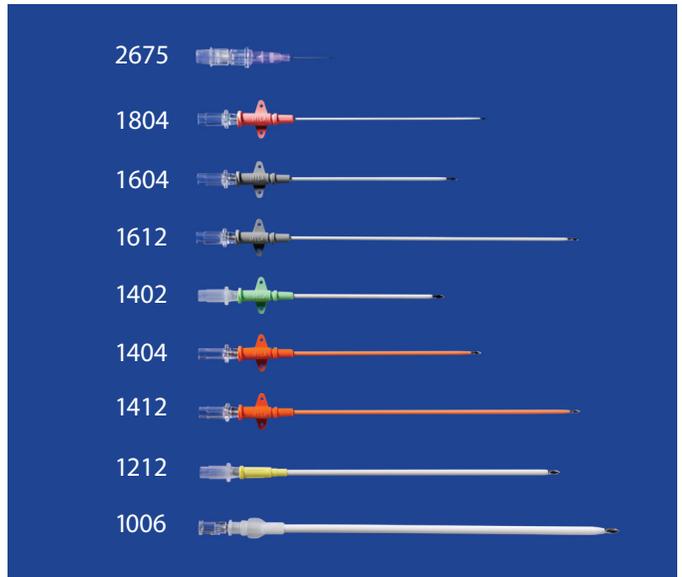


Short-Term MILACATH® **Indwell Time Up to 24 hours**

- Teflon catheter-over-needle
- Radiopaque
- 18Ga, 16Ga, and 14Ga have suture wings & suture groove

SIZE	LENGTH	ITEM #
26Ga	20mm (0.75in)	2675
18Ga	9cm (3.5in)	1804
16Ga	7.5cm (3in)	1604
16Ga	13cm (5.25in)	1612
14Ga	7cm (2.75in)	1402
14Ga	9cm (3.5in)	1404
14Ga	13cm (5.25in)	1412
12Ga	13cm (5.25in)	1212
10Ga	15cm (6in)	1006*

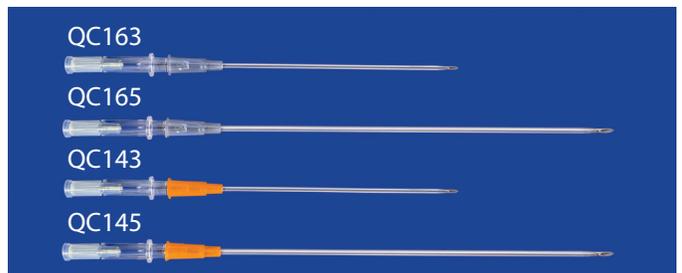
*Polyethylene



Short-Term Quicky Cath™ **Indwell Time Up to 24 hours**

- Teflon catheter-over-needle
- Radiopaque stripe
- No suture wings
- Transparent catheter body for instant venipuncture confirmation
- 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

SIZE	LENGTH	ITEM #
16Ga	8.25cm (3.25in)	QC163
16Ga	14cm (5.5in)	QC165
14Ga	8.25cm (3.25in)	QC143
14Ga	14cm (5.5in)	QC145



Buy by the Box and Save!

SIZE	LENGTH	BOX QTY	ITEM #
16Ga	8.25cm (3.25in)	20	QC163-B
16Ga	14cm (5.5in)	20	QC165-B
14Ga	8.25cm (3.25in)	20	QC143-B
14Ga	14cm (5.5in)	20	QC145-B



Filter vent plug included on all catheters.

Short-Term Fenestrated Catheters **Indwell Time Up to 24 hours**

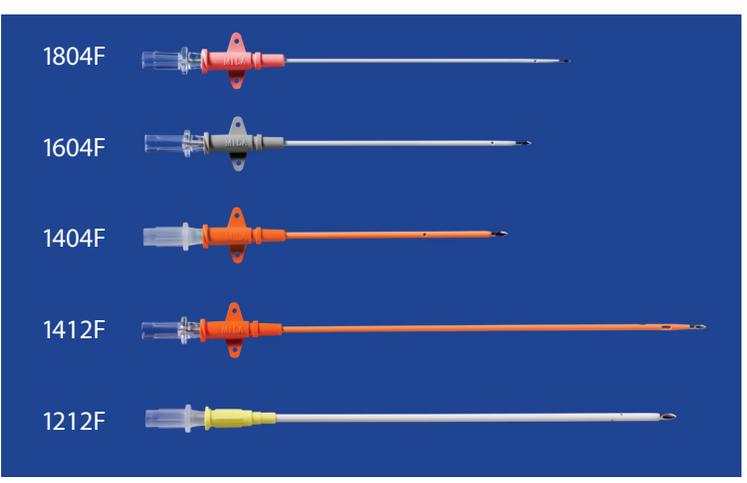
Catheter-over-needle style with smooth transition from needle to catheter, featuring additional fenestrations for improved infusion and aspiration

SIZE	LENGTH	ITEM #
18Ga	9cm (3.5in)	1804F
16Ga	7.5cm (3in)	1604F
14Ga	9cm (3.5in)	1404F
14Ga	13cm (5.25in)	1412F
12Ga	13cm (5.25in)	1212F*



3 Fenestrations at the distal end

*Item #1212F has 4 fenestrations



Peripheral IV Catheters

- Smooth transition from needle to catheter reduces burring and wasted sticks
- Superior needle sharpness reduces tissue trauma and pain, making it kinder to the patient
- Transparent catheter body and stylet hub for easily visible flashback to indicate vessel entry
- Radiopaque Teflon-like material
- Short-term, ideal for 24-72 hour use
- Filter vent 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

SIZE	LENGTH	ITEM #
26Ga	20mm (0.75in)	IV2619
24Ga	20mm (0.75in)	IV2419
22Ga	25mm (1.0in)	IV2225
20Ga	25mm (1.0in)	IV2025
20Ga	30mm (1.25in)	IV2032
18Ga	30mm (1.25in)	IV1832
18Ga	48mm (1.88in)	IV1848



Introcan Safety® Peripheral IV Catheters

- Smooth transition from needle to catheter reduces burring and wasted sticks
- Introcan Safety® catheters feature a safety clip that automatically covers the needle point when it is withdrawn, reducing accidental needle sticks
- Transparent catheter body and stylet hub for easily visible flashback to indicate vessel entry
- Push-off tab on hub for easy insertion
- Radiopaque polyurethane catheter material suitable for longer indwelling times (>3 days)
- Filter vent 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

SIZE	LENGTH	ITEM #
24Ga	19mm (0.75in)	IC2475
22Ga	25mm (1.0in)	IC2201
20Ga	32mm (1.25in)	IC2001
18Ga	45mm (1.75in)	IC1801

Polyurethane material allows for indwell time of 3+ days



Safety clip automatically deploys when needle is retracted.

Kinder to the patient. Save time and money.

Injection Ports

FEATURE	Item #8200*	Item #8098	Item #8095	Item #8080
The stasis valve, item #8200, is RECOMMENDED FOR ALL APPLICATIONS				
Needle-Free	✓	✓	✓	
Swabable	✓	✓		
Neutral Displacement	✓			
Transparent	✓	✓	✓	
Bi-Directional	✓	✓	✓	
Approved for Saline Flush	✓	✓		
High Flow	✓		✓	
Normally Closed	✓	✓	✓	✓

• **Stasis Valve/Neutral Displacement Injection Port** (Item #8200) is a needle-free connector that prevents blood reflux into the catheter, reducing the risk of occlusion and eliminating the need to clamp the line when not in use. The saline flush option reduces risk, cost, and time associated with heparin use (heparin not required). Allows for higher flow rate than the MicroClave®.

• **MicroClave®** (Item #8098) is a normally closed, needle-free connector. Labeled for saline flush (heparin not required).

• **Normally closed valve** (Item #8095) is a needle-free port and includes a tethered cap (item #8090).

• **Safety Injection Port** (Item # 8080) has a built-in stop to prevent accidental catheter or tubing puncture.

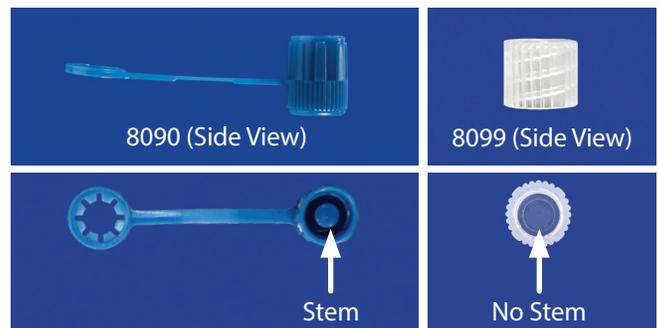
DESCRIPTION	ITEM #
Stasis Valve (Neutral Displacement Injection Port)	8200
MicroClave® Needle-Free Injection Port	8098
Normally Closed Valve (includes 8090)	8095
Safety Injection Port	8080

Caps

• **Tethered Cap** (item #8090) attaches to the catheter or extension hub to cover the injection port. *Not for use with stasis valves or MicroClaves® because internal stem will keep valves open*

• **Stemless Luer Lock Cap** (item #8099) 10 pack, non-sterile. Keeps injection ports clean without opening the valve, works with all needle-free injection ports, including stasis valves

DESCRIPTION	ITEM #
Tethered Cap	8090
Stemless Luer Lock Cap (10 Pack)	8099



Needle-Free Connectors

Stasis Valve (Neutral Displacement Injection Port)

- Helps to maintain catheter patency by preventing blood reflux and associated clotting at the catheter tip when a syringe or line is disconnected
- The valve only opens when connected to a male luer, such as a syringe or fluid line
- Clear, closed, NEEDLE-FREE valve with a SWABABLE top for easy disinfecting
- NO CLAMPING REQUIRED to control valve-induced reflux
- HEPARIN NOT REQUIRED - saline flush option reduces risk, cost, and time associated with heparin use



RECOMMENDED FOR ALL APPLICATIONS

Luer accepts BOTH luer lock and luer slip; DOES NOT permit needles.

Transparent housing allows for visualization of residue after medication and flush.

Flat access port is an easy to clean, smooth, swabable surface that serves as an infection control barrier.

Silicone valve absorbs and compensates for the pressure changes inside the catheter when connecting or disconnecting from a luer, preventing the reflux of blood into the catheter.

Straight internal fluid pathway minimizes reflux and priming volume with low dead space.



- ✓ Reduce catheter-associated infections
- ✓ Reduce catheter occlusions
- ✓ Reduce dependency on sharps
- ✓ Reduce cost

Stasis valve is included on many extension sets (listed below) and can also be purchased separately. (Item #8200 on page 27, cap with item #8099 on page 27)

Item numbers that include this feature: 8518M, 8530M, 8550M, 8570M, 8572M, 8573M, 8574M, 8575M, 8577M, 8584M, 8585M, 8587M, 8590M and 8590MS

Normally Closed Valve

- Luer activated valve is needle-free and bi-directional for infusion and sampling
- Cap with 8090 or 8099 - see page 27



Normally Closed Valve can also be purchased separately (Item #8095 on page 27)

Item numbers that include this feature: 8518, 8570, 8572, 8575, 8585, 8590, and 8590S

MicroClave®

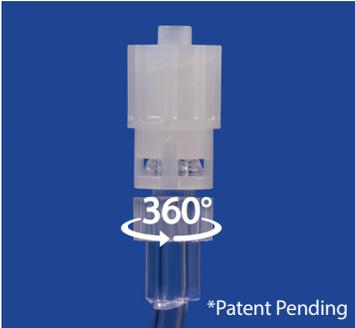
- Clear, closed needle-free port
- Approved for saline flush. Heparin not required



MicroClave® can also be purchased separately. (Item #8098 on page 27)

Item numbers that include this feature: MC40, MC43, and MC44

Male Connections



360° SPINNER Luer Lock*

- Resists twisting and kinking of the catheter during patient movement
- Prevents catheter disconnects by allowing the extension line to spin freely 360°, avoiding accidental unscrewing
- Allows extension set to attach to catheter in any position while leaving the suture wings flat against the patient



Item numbers that include this feature: 8518M, 8530M, 8550M, 8585M, 8587M, 8590S, 8590MS and 8700



Rotating Male Luer Lock

- Twisting collar secures the male luer into the female luer without having to turn the entire extension tube, therefore permitting positioning of the tubing section

Item numbers that include this feature:

175480, 2408, 8515, 8518, 8540, 8541, 8545, 8560, 8570, 8570M, 8572, 8572M, 8574M, 8575, 8575M, 8577M, 8584M, 8585, 8590, 8590M, 8671, 8718, FTE60, MC40, MC43, MC44, UVB10 and UVB60

Tethered Cap



- Tethered cap included on all extension sets with stasis valve to keep it clean and free of debris when not in use

Item numbers that include this feature:

8518M, 8530M, 8550M, 8570M, 8572M, 8573M, 8574M, 8575M, 8577M, 8584M, 8585M, 8587M, 8590M, and 8590MS

Needle Injection Ports

Injection Port with Male Luer Slip



- Rubber septum for use with needles for injection
- Luer slip fits standard female luer

Item number that include this feature:
8573M

Injection Port with Male Luer Lock



- Rubber septum for use with needles for injection
- Luer lock has a twisting collar that locks the luer in place

Item numbers that include this feature:
8545, 8570, 8570M, 8572, 8572M, 8575, 8575M, 8577M, and MC40

Straight Extension Sets

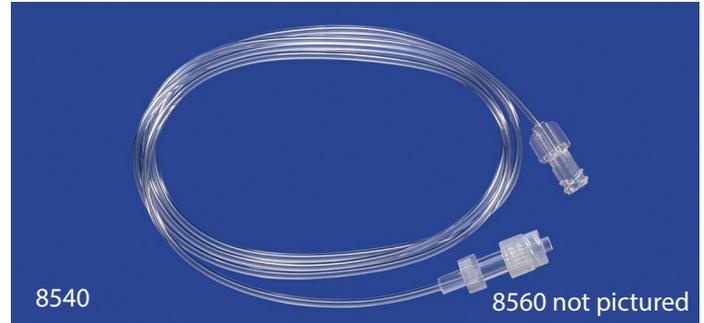
Mini Bore & Small Bore

T Sets on
page 32

Mini Bore - 20 Gauge

8540 and **8560** - Straight Extension Set with Female Luer and Rotating Male Luer Lock.

SIZE	LENGTH	PRIMING VOLUME	ITEM #
20Ga	100cm (40in)	0.5mL	8540
20Ga	152cm (60in)	0.8mL	8560



8541 - Straight Extension Set with Female Luer, Clamp, Rotating Male Luer Lock.

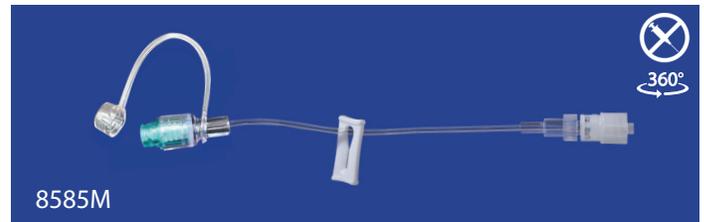
SIZE	LENGTH	PRIMING VOLUME	ITEM #
20Ga	15cm (6in)	0.3mL	8541



Small Bore - 16 Gauge

8585M - Straight Extension Set with Stasis Valve, Tethered Cap, Clamp, 360° SPINNER

SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	18cm (7in)	0.4mL	8585M



8585 - Straight Extension Set with Normally Closed Valve, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	18cm (7in)	0.3mL	8585



8671 - Straight Extension Set with Female Luer, Clamp, and Rotating Male Luer Lock.

SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	180cm (71in)	2.4mL	8671



*See page 33 for Stemless Luer Lock Cap and Tethered Cap.

Straight Extension Sets

Large Bore

T Sets on page 33

Large Bore - 13 Gauge

8590 and **8518** - Straight Extension Set with Normally Closed Valve and Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	19cm (7.5in)	1.3mL	8590
13Ga	46.5cm (18in)	2.5mL	8518



8590S - Straight Extension Set with Normally Closed Valve and 360° SPINNER

SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	19cm (7.5in)	1.1mL	8590S



8590MS, **8518M** and **8530M** - Straight Extension Set with High Flow Stasis Valve, Tethered Cap, Clamp, 360° SPINNER

SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	18cm (7in)	0.9mL	8590MS
13Ga	45cm (18in)	2.8mL	8518M
13Ga	76cm (30in)	4.6mL	8530M



8590M - Straight Extension Set with High Flow Stasis Valve, Tethered Cap, Clamp, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	18cm (7in)	1.0mL	8590M



8700 - Straight Extension Set with Female Luer, Clamp, 360° SPINNER

SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	18cm (7in)	1.0mL	8700



8718 - Straight Extension Set with Female Luer, Clamp, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	46cm (18in)	2.3mL	8718



*See page 33 for Stemless Luer Lock Cap and Tethered Cap.

T Extension Sets

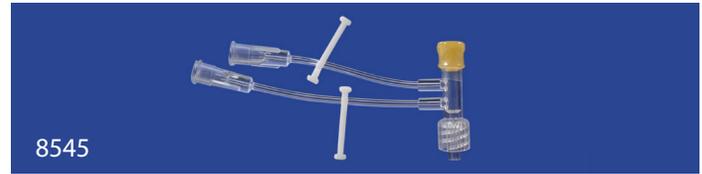
Mini Bore & Small Bore

2, 3 & 4 Port
Sets on page 34

Mini Bore - 18 & 20 Gauge

8545 - Double T Extension Set with 2 Female Luers, 2 Clamps
Injection Site, and Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
20Ga	8cm (3in)	0.2mL per lumen	8545



8545

MC40 - T Extension Set with MicroClave®, Clamp, Injection Site,
Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
	18cm (7in)	0.28mL	MC40



MC40

MC43 - T Extension Set with 2 MicroClaves®, Clamp, Rotating
Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
	18cm (7in)	0.2mL	MC43



MC43

Small Bore - 16 Gauge

8570 - T Extension Set with Normally Closed Valve, Clamp,
Injection Site, Rotating Male Luer Lock

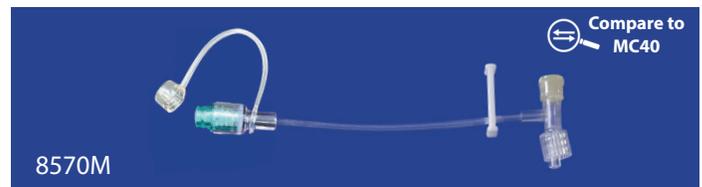
SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	13cm (5in)	0.3mL	8570



8570

8570M - T Extension Set with Stasis Valve, Tethered Cap, Clamp,
Injection Site, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	18cm (7in)	0.4mL	8570M



8570M

8573M - T Extension Set with Stasis Valve, Tethered Cap, Clamp,
Injection Site, Luer Slip

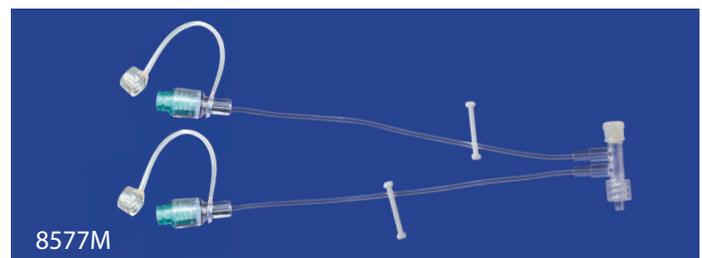
SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	18cm (7in)	0.4mL	8573M



8573M

8577M - Double T Extension Set with 2 Stasis Valves, 2 Tethered
Caps, 2 Clamps, Injection Site, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	20cm (8in)	0.4mL per lumen	8577M



8577M

T Extension Sets

Large Bore

2, 3 & 4 Port
Sets on page 34

Large Bore - 12 Gauge

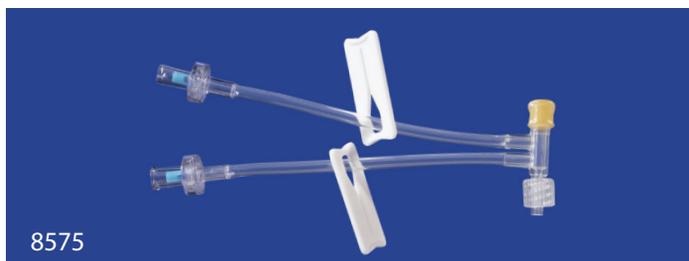
8572 - T Extension Set with Normally Closed Valve, Clamp, Injection Site, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
12Ga	13cm (5in)	0.9mL	8572



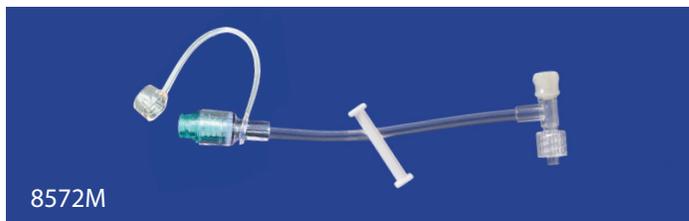
8575 - Double T Extension Set with 2 Normally Closed Valves, 2 Clamps, Injection Site, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
12Ga	13cm (5in)	0.9mL per lumen	8575



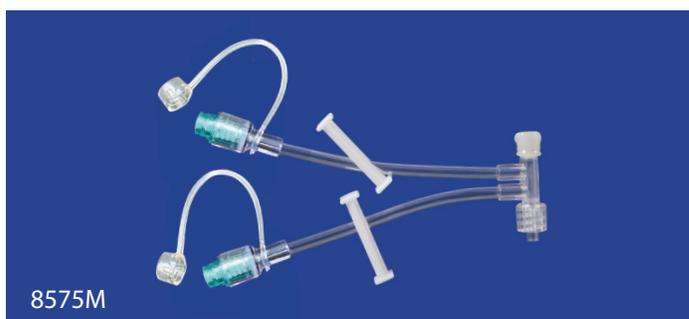
8572M - T Extension Set with High Flow Stasis Valve, Tethered Cap, Clamp, Injection Site, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
12Ga	13cm (5in)	0.9mL	8572M



8575M - Double T Extension Set with 2 High Flow Stasis Valves 2 Tethered Caps, 2 Clamps, Injection Site, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
12Ga	13cm (5in)	0.9mL per lumen	8575M

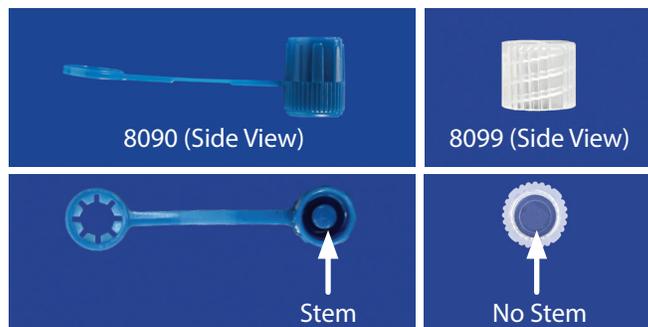


EXTENSION SETS

Caps

- **Tethered Cap** (item #8090) attaches to the catheter or extension hub to cover the injection port. *Not for use with stasis valves or MicroClaves® because internal stem will keep valves open*
- **Stemless Luer Lock Cap** (item #8099) 10 pack, non-sterile. Keeps injection ports clean without opening the valve, works with all needle-free injection ports, including stasis valves

DESCRIPTION	ITEM #
Tethered Cap	8090
Stemless Luer Lock Cap (10 Pack)	8099



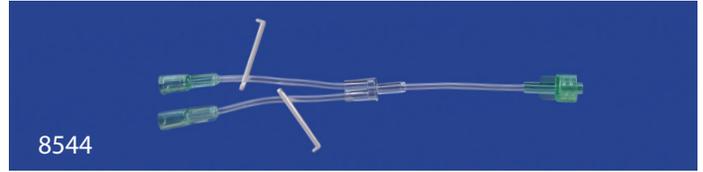
2, 3, and 4 Port Extension Sets

Mini Bore, Small Bore & Large Bore

Mini Bore - 18 & 20 Gauge

8544 - Mini Bore Bifuse Y Extension Set with 2 Female Luers, 2 Clamps, Male Luer Lock.

SIZE	LENGTH	PRIMING VOLUME	ITEM #
20Ga	15cm (6in)	0.2mL per lumen	8544



MC44 - Bifuse Y-Extension Set with 2 MicroClaves,[®] 3 Clamps, Rotating Male Luer Lock

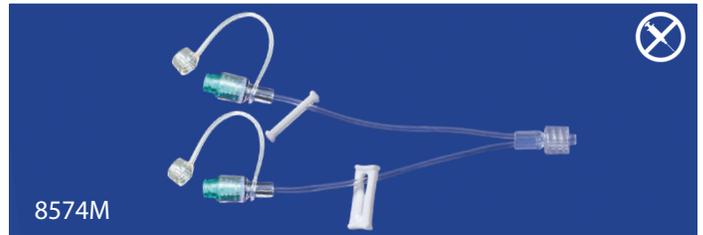
SIZE	LENGTH	PRIMING VOLUME	ITEM #
	18cm (7in)	0.4mL	MC44



Small Bore - 16 Gauge

8574M - Bifuse Y Extension Set with 2 Stasis Valves, 2 Tethered Caps, 2 Clamps, Rotating Male Luer Lock

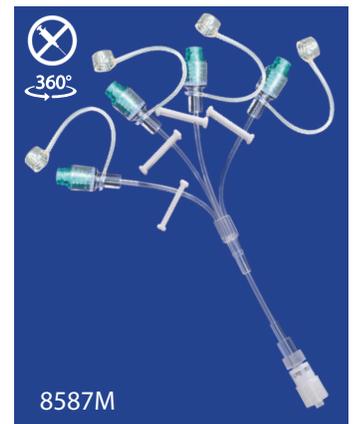
SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	13cm (5in)	0.2mL per lumen	8574M



8584M - Trifuse Extension Set with 3 Stasis Valves, 3 Tethered Caps, 3 Clamps, Rotating Male Luer Lock

8587M - Quadfuse Extension Set with 4 Stasis Valves, 4 Tethered Caps, 4 Clamps, 360° SPINNER

SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	10cm (4in)	0.18mL per lumen	8584M
16Ga	15cm (6in)	0.25mL per lumen	8587M



Large Bore - 12 Gauge

8550M - Bifuse Y Extension Set with 2 High Flow Stasis Valves, 2 Tethered Caps, 2 Clamps, 360° SPINNER

SIZE	LENGTH	PRIMING VOLUME	ITEM #
12Ga	15cm (6in)	0.9mL per lumen	8550M



Special Use Extension Sets

Pressure Monitoring Extension Set

Small Bore Pressure Monitoring Extension Straight Set with Female Luer and Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
16Ga	180cm (72in)	3.3mL	8515



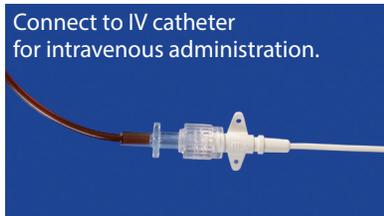
UV-Blocking Extension Sets

Mini Bore UV-Blocking Extension Set with Female Luer, Clamp, Rotating Male Luer Lock

SIZE	LENGTH	PRIMING VOLUME	ITEM #
23Ga	25cm (10in)	0.02mL	UVB10
23Ga	152cm (60in)	0.65mL	UVB60



DESCRIPTION	ITEM #
1000mL UV-Blocking Medication Bag Covers (10 pack)	UVB-B



Extension Set with Three-Way Stopcock

Large Bore Straight Extension Set with Three-way Stopcock and Rotating Male Luer Lock

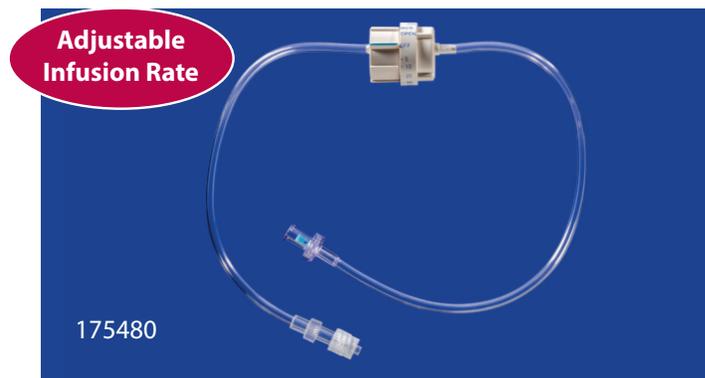
SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	20cm (7.9in)	1.8mL	2408



Extension Set with Fluid Control Dial

Easily adjust infusion rate from 10mL/hour up to 350mL/hour when used with a gravity system; when used with a pressurized system, flow is four times faster

LENGTH	PRIMING VOLUME	ITEM #
45cm (18in)	3.0mL	175480



Feeding Tube Extension Set

Large Bore Feeding Tube Extension Set with Rotating Male Luer Lock, Clamp, and Female Luer; Color coded purple for feeding

SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	152cm (60in)	9.4mL	FTE60



Dispensing Pins



BEST PRACTICE - Integrated air filter preserves the integrity and sterility of the medication in the vial
 SAVE TIME and MONEY - Puncture vial only once for multiple withdrawals or injections
 NEEDLE-FREE, SWABABLE - protect the port with Stemless Luer Lock Cap (item #8099, page 37) between uses

Locking Vial Spike with MicroClave™ and Vent

- Compatible with any luer syringe
- Great for large bottles, like hypertonic saline. Eliminates pulling against a vacuum because aspirated fluid is replaced in the vial by filtered air

DESCRIPTION	ITEM #
Clamping Vial Spike with Needle-Free Valve and Filtered Inlet Vent	PIN1



Vial Spike with MicroClave™

- Compatible with all luer syringes and vial sizes

DESCRIPTION	ITEM #
Vial Spike with Needle-Free Valve	PIN2



Fluid Bag Access with MicroClave™

- Compatible with any luer syringe

DESCRIPTION	ITEM #
IV Bag Access with Needle-Free Valve	PIN3

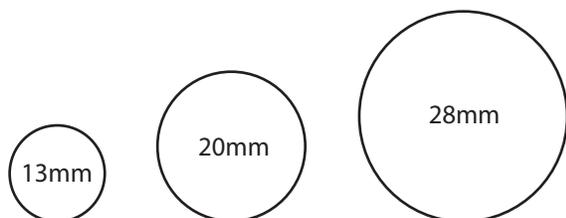


**ALL NEEDLE-FREE
and SWABABLE**

Vial Adapters

- 99.99% protection against aerosols and vapors
- Low residual volume (0.10mL)
- Multi-use with drip-free connector
- NEEDLE-FREE, SWABABLE - protect the port with Stemless Luer Lock Cap (item #8099 below) between uses
- Compatible with any luer syringe
- Locks onto the vial
- Vented with dual pathway, non-coring plastic spike and pressure equalized with 0.2 micron one-way filter

VIAL SIZE	PRIMING VOLUME	ITEM #
13mm	0.10mL	PIN13
20mm	0.10mL	PIN20
28mm	0.10mL	PIN28



Use circles above to determine which size vial adapter is needed.



Vial Adapters for ONCOLOGY

Additional oncology products on pages 94-97.

- Functions as a pressure equalization device, utilizing a sealed expansion chamber that establishes and maintains neutral pressure when air or diluent is injected into or aspirated from the vial
- Connects to 13mm and 20mm vials; permanently locks onto the vial to prevent disconnection and reduce risk of exposure
- Compatible with any luer syringe - no need to prime syringe with non-filtered air
- Drip-free connection
- NEEDLE-FREE, Swabable

VIAL SIZE	PRIMING VOLUME	ITEM #
13mm	0.11mL	12-009
20mm	0.11mL	12-010



Stemless Caps

- **Stemless Luer Lock Cap** (item #8099) 10 pack, non-sterile - keeps vial adapters clean without opening the valve; works with all vial adapters.

DESCRIPTION	ITEM #
Stemless Luer Lock Cap (10 pack)	8099



Semi-Automatic Soft Tissue Biopsy Needle

- Spring-activated, single-hand operation for soft tissue core biopsy collection
- Echogenic tip for precise 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
- Precision cutting helps preserve cellular architecture for more accurate diagnosis

SIZE	LENGTH	ITEM #
16Ga	8cm (3.1in)	BN1608
16Ga	15cm (5.9in)	BN1615
14Ga	8cm (3.1in)	BN1408
14Ga	15cm (5.9in)	BN1415



Aspiration Needle System for FLUID

Designed to provide **INTRAOSSEROUS ACCESS** and obtain quality **FLUID ASPIRATES**.

- Triple sharpened tip to allow a non-traumatic, fast penetration into the intramedullary cavity
- Adjustable guard to help control depth during needle insertion
- Luer lock connection for syringe

SIZE	LENGTH	COLOR	ITEM #
18Ga	2cm (0.78in)	Pink	BMAN18
15Ga	3cm (1.25in)	Blue	BMAN15

Length Adjustable



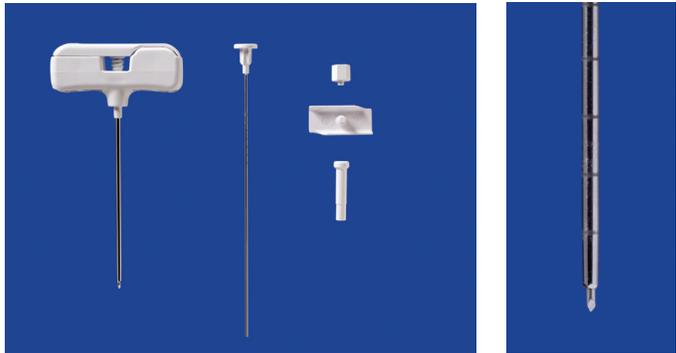
Bone Marrow Biopsy System for SOLIDS



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
- Ergonomic handle and sharp needle point allows for easy penetration into the intramedullary 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

SIZE	LENGTH	ITEM #
13Ga	10cm (4in)	BMAN13
11Ga	10cm (4in)	BMAN11
8Ga	10cm (4in)	BMAN8





Ideal for delivering midazolam intranasally to treat seizures

- Designed to be a safe and painless way to deliver medication via the naris
- Device atomizes liquid drugs into a fine mist of particles ranging from 30-100 microns
- Conical profile is designed to seal within the patient's naris

DESCRIPTION

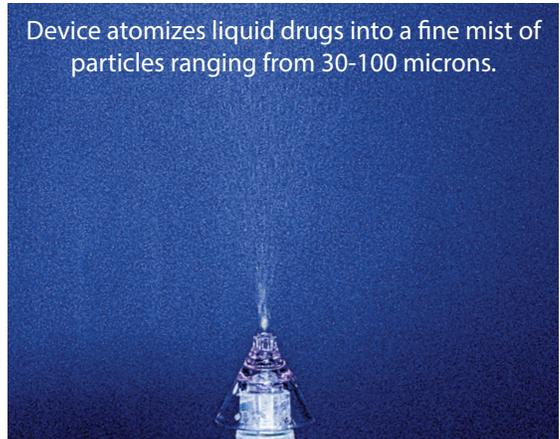
	HOSPITAL USE	ITEM #
VetJet™ Nasal Sprayer and 3mL amber syringe		5400
VetJet™ Nasal Sprayer, 3mL amber syringe, and 20mm vial adapter	HOME USE	5400K

Hospital Kit (Item #5400)



Now includes an amber syringe for light sensitive medications.

Device atomizes liquid drugs into a fine mist of particles ranging from 30-100 microns.



Home Kit (Item #5400K)



Dispensing pin attached to medication vial.

0.2 Micron FILTER
for incoming air to
replace aspirated
medication.



MILA Associate Pet
Montgomery

Tomcat / Small Animal Urinary Catheter

Length Adjustable



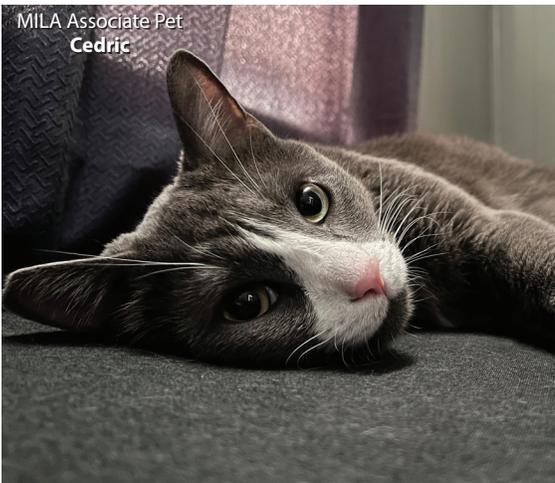
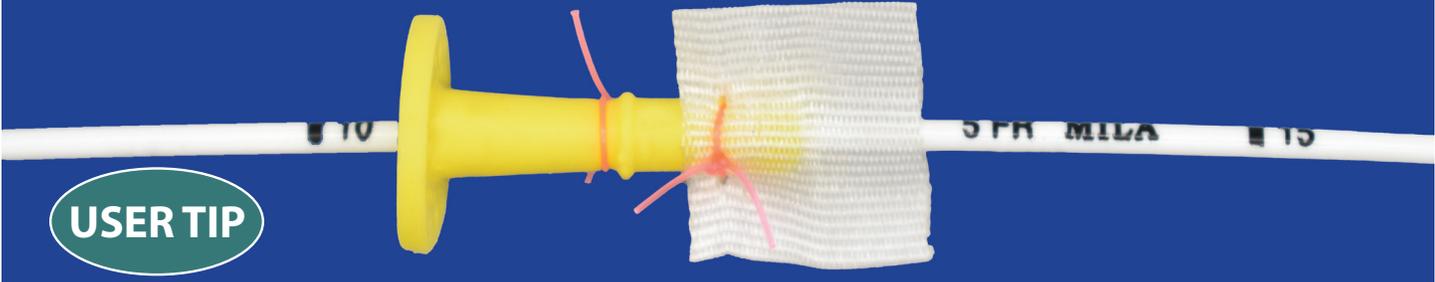
UNBLOCK and DRAIN with ONE catheter.

- Same catheter is 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 irrigation and retropulsion through the catheter during insertion
- Suture device can be moved to adjust indwelling depth
- Non-irritating radiopaque polyurethane material is rigid for easy insertion and softens with body temperature
- Smooth, finished open-tip
- Luer lock for secure attachment to a CLOSED COLLECTION SYSTEM (see page 48)
- The 25cm catheter length is the best choice to reduce catheter pull-outs and kinking - the additional length of tubing minimizing catheter tension at the prepuce when the cat moves which eliminates the need for a separate extension set.
- Improvement to the standard Tomcat, Jackson, and Slippery Sam™ urinary catheters from other manufacturers

CATHETER SIZE	LENGTH	FLUSHING STYLET	ITEM #
3.5Fr	15cm (6in)		UC306
3.5Fr	15cm (6in)	✓	UC306S
3.5Fr	25cm (10in)		UC310
3.5Fr	25cm (10in)	✓	UC310S MOST VERSATILE SIZE
5Fr	15cm (6in)		UC506
5Fr	15cm (6in)	✓	UC506S
5Fr	25cm (10in)		UC510
5Fr	25cm (10in)	✓	UC510S

See page 48 for URINE COLLECTION options. See page 42 for 4Fr FOLEY CATHETER.

For additional securement, use tape to bridge across the catheter and suture device before suturing in place.



MILA Associate Pet
Cedric

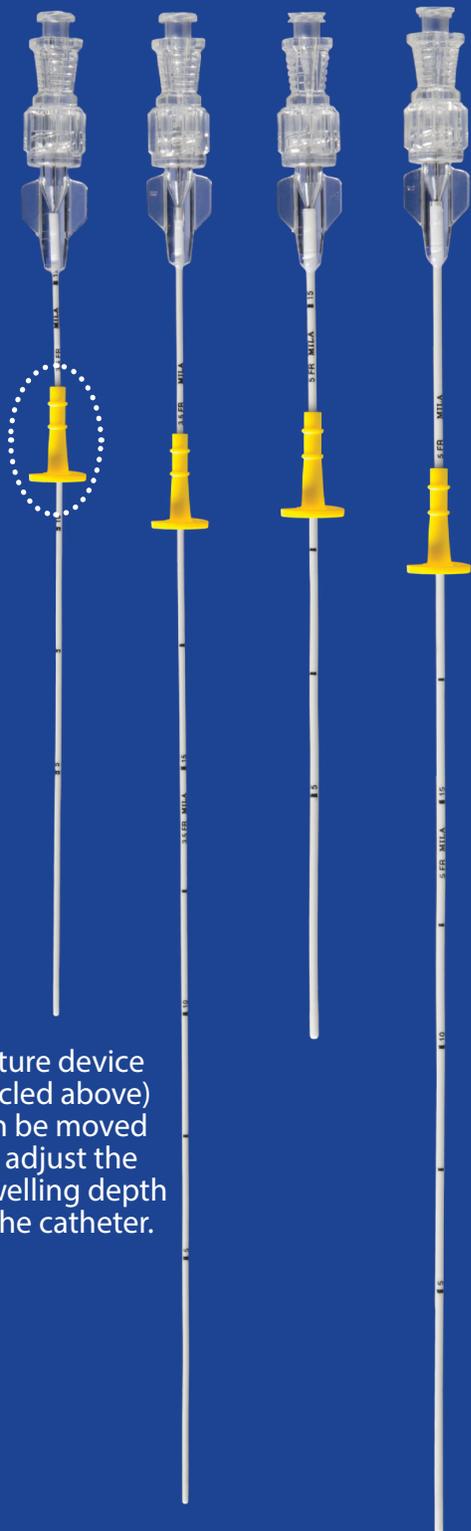


MILA Associate Pet
Winston

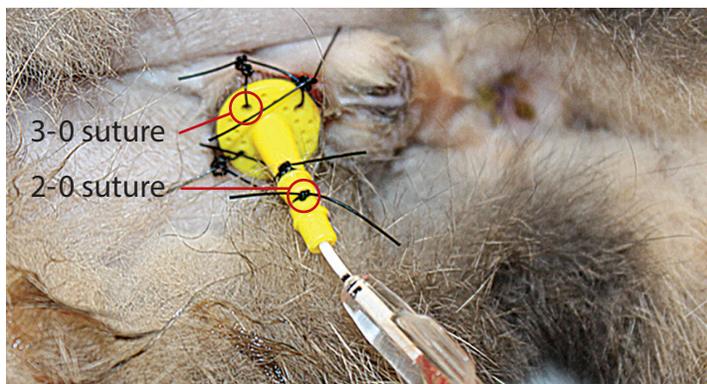
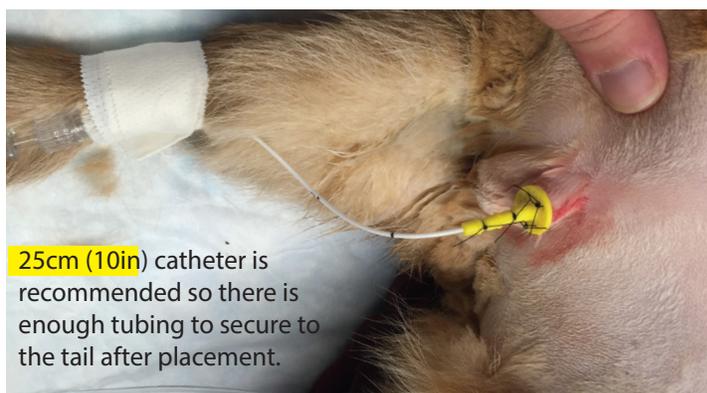
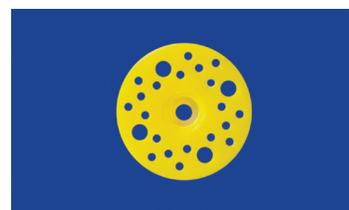
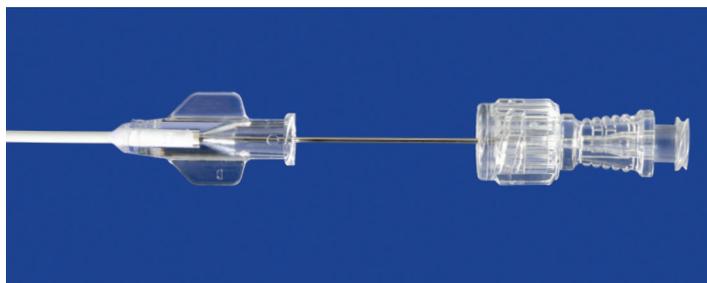
Tomcat / Small Animal Urinary Catheter

Length Adjustable

UC306S UC310S UC506S UC510S



Suture device (circled above) can be moved to adjust the indwelling depth of the catheter.



Foley Urinary Catheters with Wire Stylet in a Procedure Kit



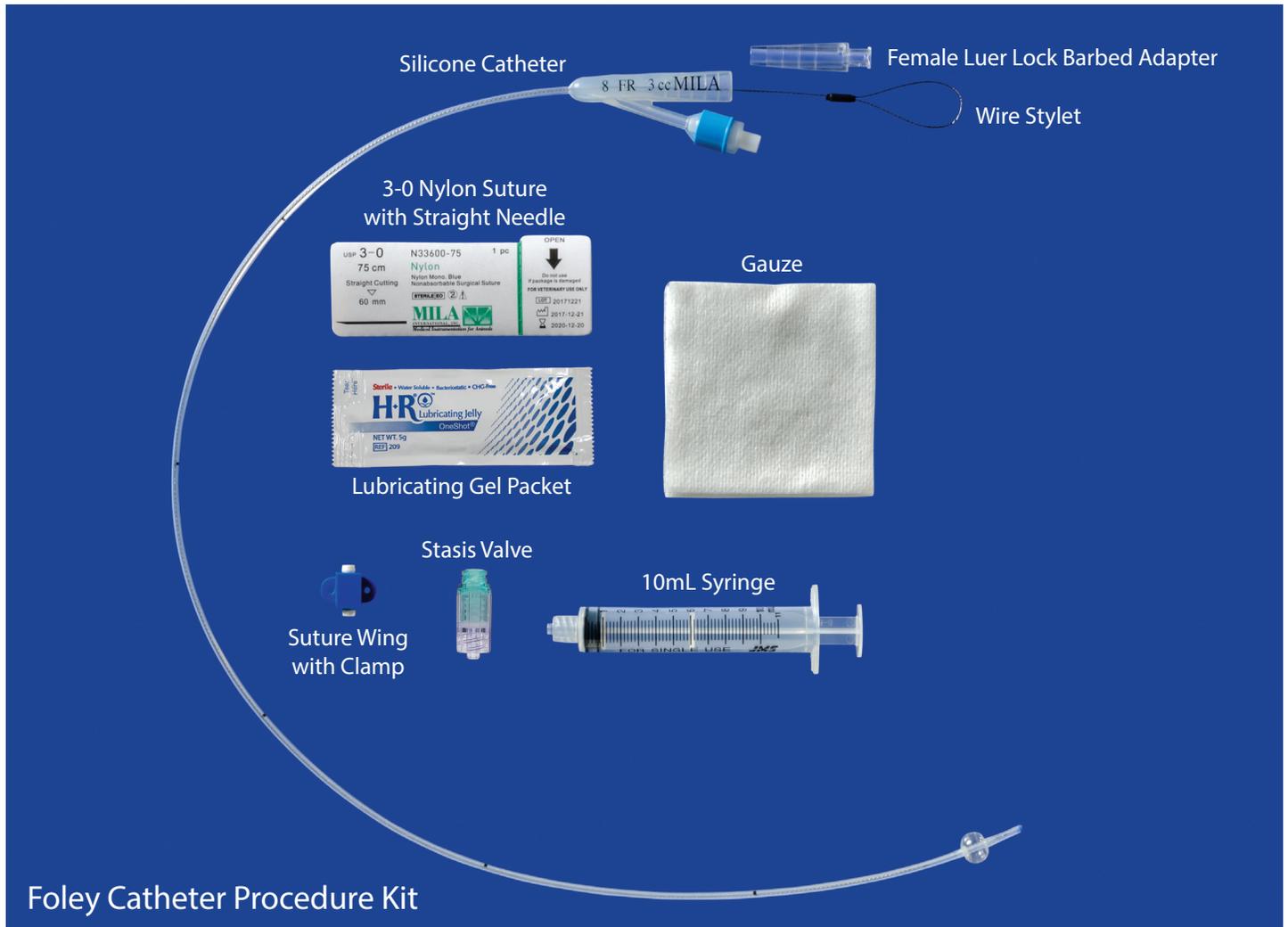
Everything needed to place and secure the catheter.

• Kit includes:

1. Silicone Foley catheter with radiopaque stripe
2. Wire stylet
3. Suture wing (6Fr - 10Fr only)
4. 3-0 nylon suture on a straight needle
5. Female luer lock barbed adapter
6. Stasis valve
7. Sterile, water-based lubricant
8. Gauze
9. 10mL syringe

	SIZE	LENGTH	BALLOON SIZE	ITEM #
1.	4Fr	30cm (12in)	1mL	UC412
2.	5Fr	30cm (12in)	1mL	UC512
3.	5Fr	55cm (21in)	1mL	UC521
4.	6Fr	30cm (12in)	1.5mL	UC612
5.	6Fr	60cm (24in)	1.5mL	UC624
6.	6Fr	90cm (36in)	1.5mL	UC636
7.	8Fr	30cm (12in)	3mL	UC812
8.	8Fr	60cm (24in)	3mL	UC824
9.	8Fr	90cm (36in)	3mL	UC836
	10F	30cm (12in)	5mL	UC1012
	10Fr	45cm (18in)	5mL	UC1018
	10Fr	90cm (36in)	5mL	UC1036

- The stylet provides rigidity for easier placement
- Water-activated treatment within the lumen facilitates wire removal
- Retention balloon keeps catheter in the bladder



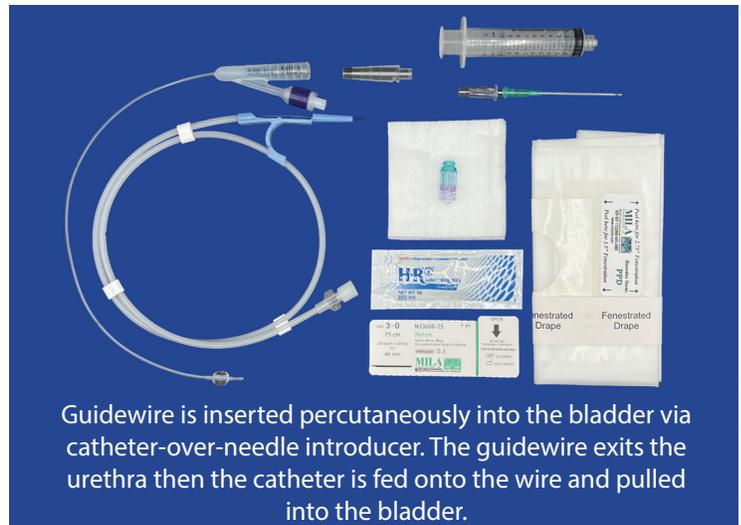
Foley Catheter Procedure Kit

Percutaneous Antegrade Urinary Catheterization Procedure Kit



- Ideal for female cats and dogs <10kg
- Useful for fluoroscopy-guided catheterization in patients with urethral obstruction, distal urethral stricture, urethral tear or pelvic trauma
- Hydrophilic nitinol guidewire has a steerable tip that is directed into the urethra in a cranial-to-caudal direction
- Kit components:
 1. Fenestrated drape
 2. Catheter-over-needle introducer
 3. Nitinol guidewire
 4. **Open-tip** Foley catheter with radiopaque stripe
 5. Sterile water-based lubricant
 6. 3-0 nylon suture
 7. Suture wing with securement clamp (6Fr only)
 8. Female luer lock barbed adapter
 9. Stasis valve
 10. Gauze
 11. Syringe

All-in-one procedure kit for female urinary catheterization with a percutaneously inserted guidewire



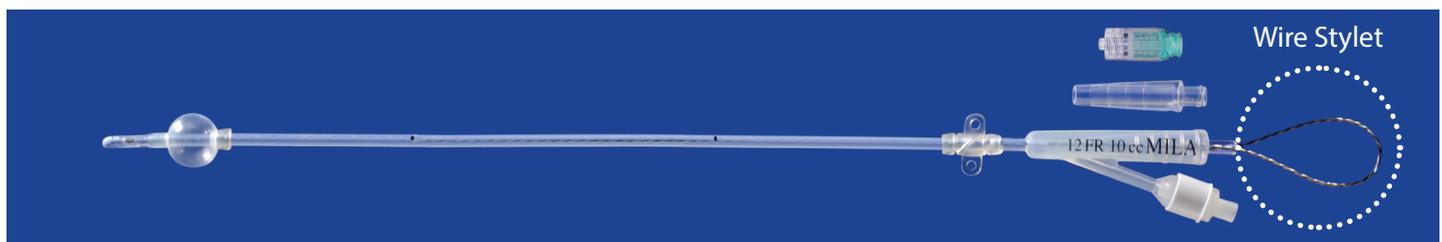
SIZE	LENGTH	BALLOON SIZE	GUIDEWIRE SIZE	INTRODUCER	ITEM #
4Fr	30cm (12in)	1mL	0.025" x 50cm	20Ga	PAUC4
5Fr	30cm (12in)	1mL	0.035" x 80cm	18Ga	PAUC5
6Fr	35cm (14in)	1.5mL	0.035" x 80cm	18Ga	PAUC6

Foley Urinary Catheters with Wire Stylet

- Includes:
 1. Silicone Foley catheter with radiopaque stripe
 2. Wire stylet
 3. Suture wing
 4. Female luer lock barbed adapter
 5. Stasis valve
- The stylet provides rigidity for easier placement
- Retention balloon keeps catheter in the bladder

SIZE	LENGTH	BALLOON SIZE	ITEM #
12Fr	30cm (12in)	10mL	UC1212
12Fr	55cm (21in)	10mL	UC1221
14Fr	23cm (9in)	10mL	UC1409
14Fr	55cm (21in)	10mL	UC1421
16Fr	55cm (21in)	20mL	UC1621
16Fr	63.5cm (25in)	20mL	UC1625
18Fr	55cm (21in)	20mL	UC1821
20Fr	55cm (21in)	30mL	UC2021
22Fr	55cm (21in)	30mL	UC2221
24Fr	42cm (16in)	30mL	UC2416
24Fr	150cm (59in)	30mL	UC2459

Ideal for Mares
Ideal for Stallions

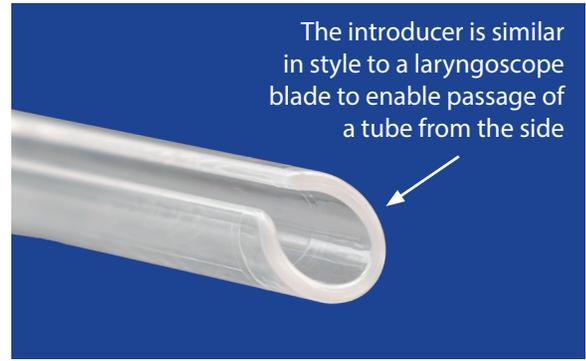


MILA U-Light™ - Urinary Access System



NEW!

- A reusable light guided system for quick and easy urinary catheter placement in female dogs
- Ready-to-use, no charging or additional equipment necessary. Battery life provides over 36 hours of continuous use
- Three introducers sized for small to large dogs
- The introducer's bevel geometry allows for vaginal diversion and expression of urethral orifice
- Sterilize with ETO or cold sterilization, **DO NOT AUTOCLAVE**
- Includes durable carrying case for easy transport and storage

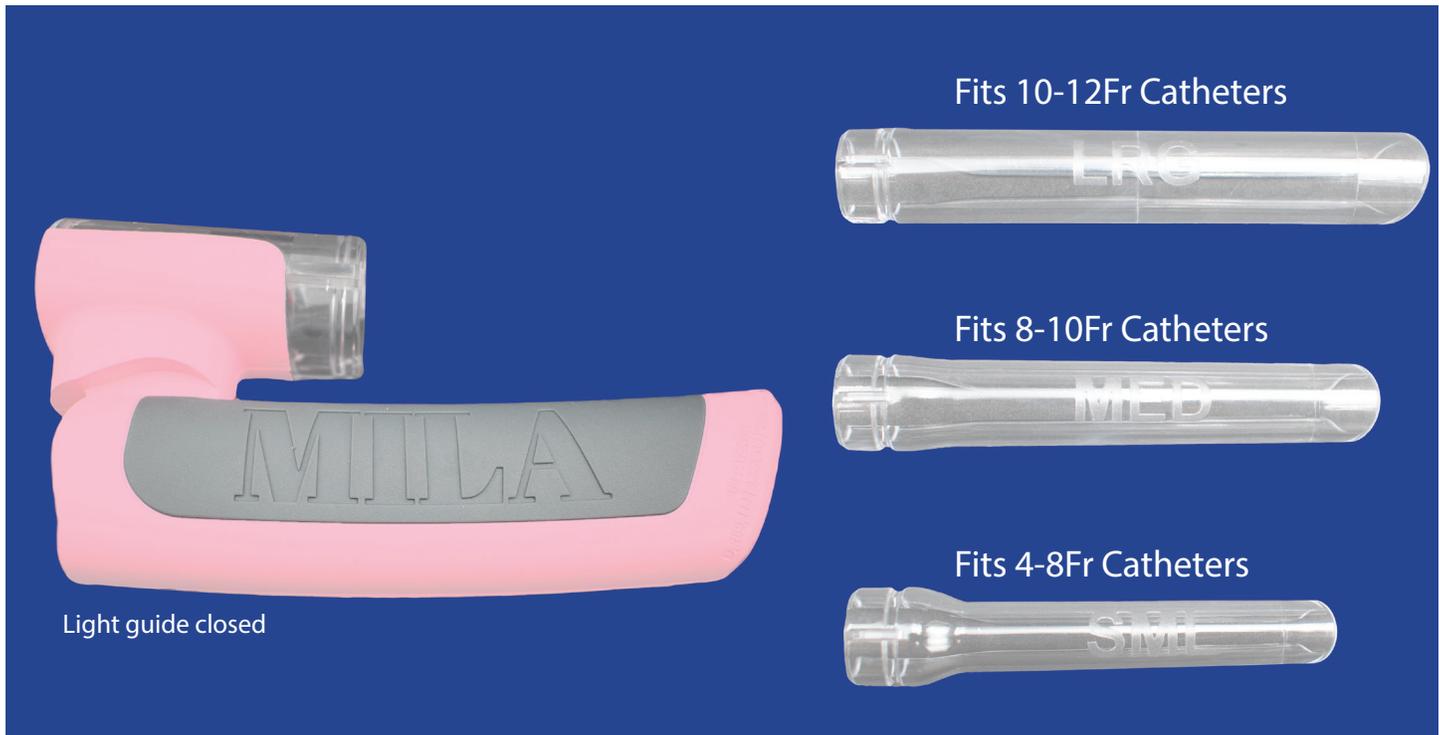
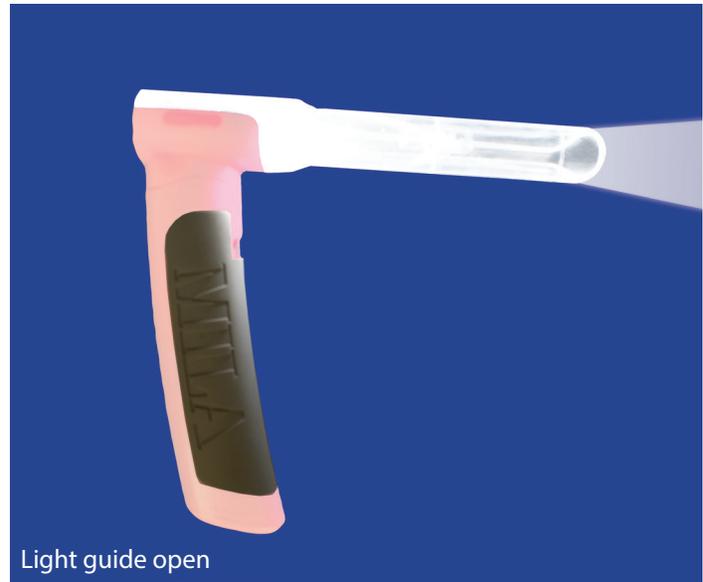


DESCRIPTION

MILA U-Light™ Urinary Access System

ITEM #

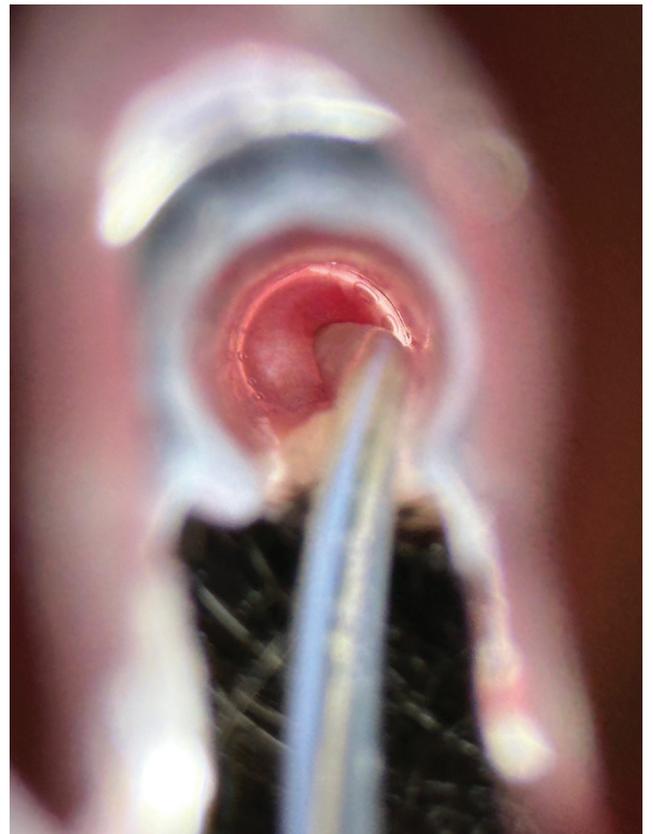
UAS



MILA U-Light™ - Urinary Access System

NEW!

URINARY CATHETERS



Photos courtesy of Anita Parkin, RVN, AVN, Dip (surgery & ECC), VTS (Anesthesia & Analgesia), CVPP, TAE

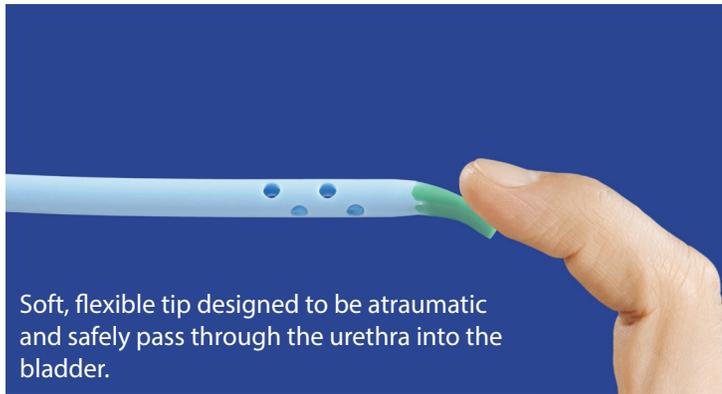
MILA Retropulsion™ Urinary Catheters (RUC) for Male Canines



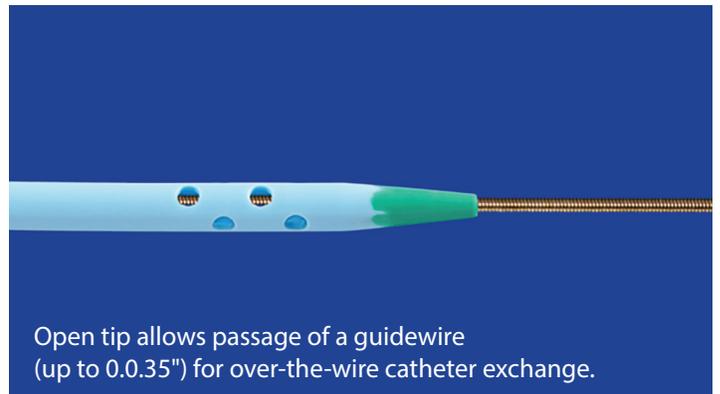
The Retropulsion™ Catheter is a short-term urinary drainage catheter for unblocking the urethra and drainage of the bladder in male dogs. The catheter allows for efficient retrograde hydropulsion of lodged urethral calculi into the bladder.

- Firm, radiopaque, polyurethane catheter with a tapered, soft, flexible tip designed to be atraumatic and safely pass through the urethra into the bladder
- Multiple side-holes and open tip for maximum velocity saline vortex during retrograde hydropulsion
- Blue color catheter improves visualization of the urethra during urethrostomy
- Centimeter markings for precise depth placement
- Luer lock hub for easy connection to drainage bag or syringe

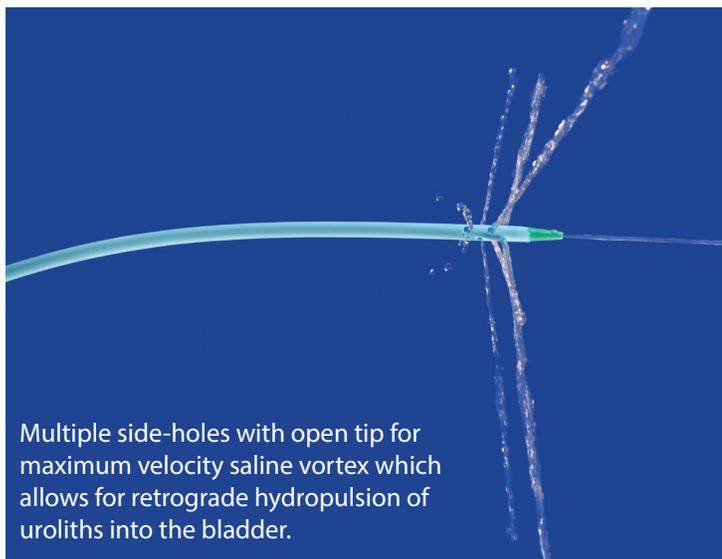
SIZE	LENGTH	ITEM #
6Fr	55cm (22in)	RUC655
8Fr	55cm (22in)	RUC855
10Fr	55cm (22in)	RUC1055



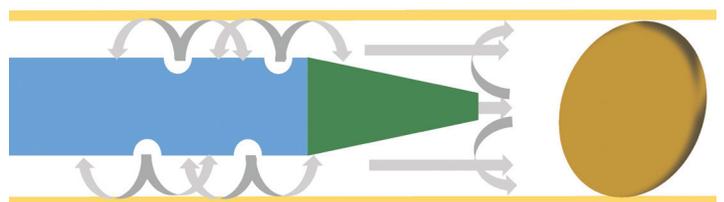
Soft, flexible tip designed to be atraumatic and safely pass through the urethra into the bladder.



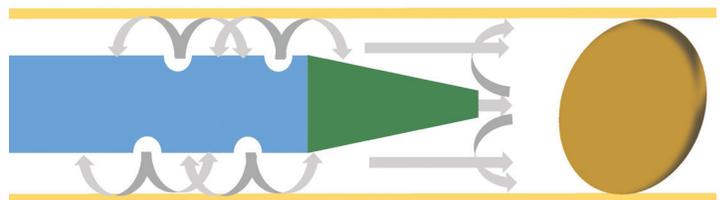
Open tip allows passage of a guidewire (up to 0.035") for over-the-wire catheter exchange.



Multiple side-holes with open tip for maximum velocity saline vortex which allows for retrograde hydropulsion of uroliths into the bladder.



Saline vortex dislodges urethral stones.



Foley Catheter Procedure Kits for Female Canines

Guidewire/Seldinger Insertion

- Guidewire inserted Foley catheter for female dogs
- 70cm stainless steel guidewire with J-tip
- Open-tip Foley catheter with retention balloon and radiopaque stripe
- Water-activated lubricant facilitates wire removal
- Introducer with depth markings and flexible tip
- Radiopaque silicone material
- Kit includes:
 1. Fenestrated drape
 2. Guidewire
 3. Dilator
 4. Lubricant
 5. Foley catheter
 6. Suture pack
 7. Suture wing
 8. Female luer lock barbed adapter
 9. Stasis valve
 10. Gauze
 11. Syringe



SIZE	LENGTH	BALLOON SIZE	ITEM #
6Fr	35cm (14in)	1.5mL	UCG610
8Fr	35cm (14in)	3.0mL	UCG810

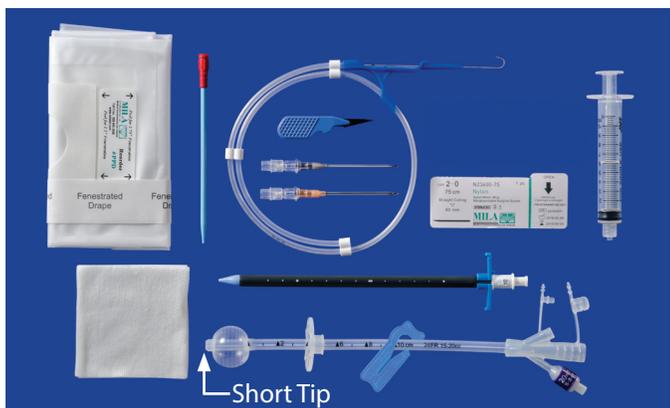
"I strongly believe this improvement will help enormously with a much easier and safer placement of a urinary Foley catheter in female dogs. And most importantly, it will offer better control of hygiene during catheter placement."

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

PERCUTANEOUS Balloon Catheter Kit for Cystostomy Ideal for GOATS

- Introduction uses Seldinger technique and peel-away dilator sheath
- Open-ended silicone catheter with centimeter markings, Y-port, fixation ring and radiopaque stripe
- Short catheter tip reduces the risk of mucosal irritation
- Large funnel Y-port with tethered caps
- Adjustable fixation ring prevents catheter migration
- Kit includes:
 1. Fenestrated drape
 2. Scalpel
 3. Catheter-over-needle introducers
 4. Guidewire
 5. 12Fr dilator
 6. 24Fr dilator with peel-away introducer sheath
 7. Catheter with fixation ring and clamp
 8. Gauze
 9. Suture pack
 10. Syringe

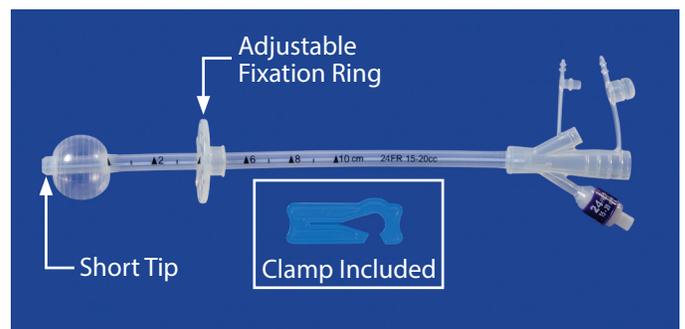
SIZE	LENGTH	BALLOON SIZE	ITEM #
20Fr	25cm(10in)	15-20cc	PBC20



SURGICAL Balloon Catheter for Cystostomy

- Open-ended silicone catheter with 20mL retention balloon, depth markings, and radiopaque stripe
- Short catheter tip reduces the risk of mucosal irritation
- Large funnel Y-port with tethered caps
- Adjustable fixation ring prevents catheter migration
- Clamp included

SIZE	LENGTH	BALLOON SIZE	ITEM #
20Fr	25cm (10in)	15-20cc	CYGA20
24Fr	25cm (10in)	15-20cc	CYGA24
28Fr	25cm (10in)	15-20cc	CYGA28



Closed System Urine Collection 600mL, 1000mL, and 2000mL KITS



MINIMIZE CATHETER ASSOCIATED URINARY TRACT INFECTIONS (CAUTI)

600mL closed urine collection KITS include:

1. STERILE collection bag with volume marks beginning at 50mL, anti-reflux valve, and twist-to-open drain
2. Lightweight collection line with SPINNER luer lock
3. injection/sampling port - 14Ga x 180cm (72in)
4. Barbed adapter with female luer

1000mL closed urine collection KITS include:

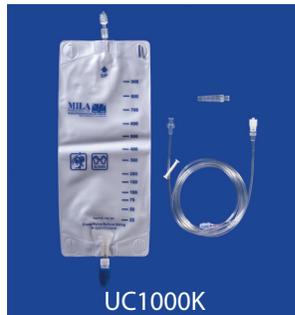
1. STERILE collection bag with volume marks beginning at 25mL, anti-reflux valve, and twist-to-open drain
2. Lightweight collection line with SPINNER luer lock
3. Injection/sampling port - 14Ga x 180cm (72in)
4. Barbed adapter with female luer

2000mL closed urine collection KITS include:

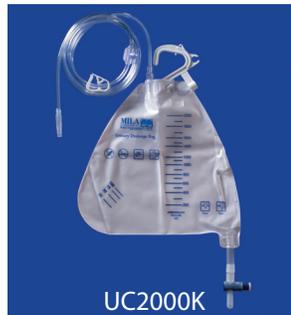
1. STERILE collection bag with volume marks beginning at 25mL, anti-reflux valve, and push/pull drain
2. Collection line with injection/sampling port and integrated barbed adapter



UC600K



UC1000K



UC2000K



360° SPINNER LUER LOCK ON THE COLLECTION LINE
360° SPINNER luer lock hub resists twisting and kinking of the collection line and avoids accidental unscrewing.



Tomcat catheter connected to urine collection line
360° SPINNER

DESCRIPTION

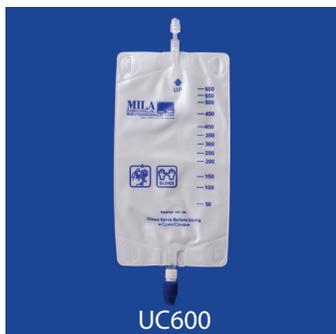
600mL Closed Urine Collection KIT
1000mL Closed Urine Collection KIT
2000mL Closed Urine Collection KIT

ITEM

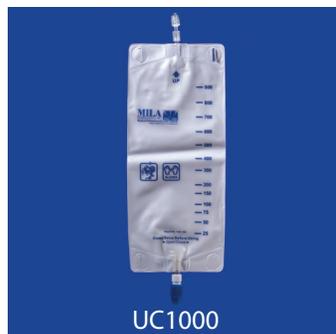
UC600K
UC1000K
UC2000K

Urine Collection System Components

Replacement Bags, Collection Lines, Female Luer Lock Barbed Adapter



UC600



UC1000



UCT



2350

DESCRIPTION

600mL Closed Urine Collection BAG ONLY
1000mL Closed Urine Collection BAG ONLY
14Ga x 180cm (72in) Collection Line
Barbed Adapter with Female Luer - Box of 10, each individually packaged and sterile

ITEM

UC600
UC1000
UCT
2350

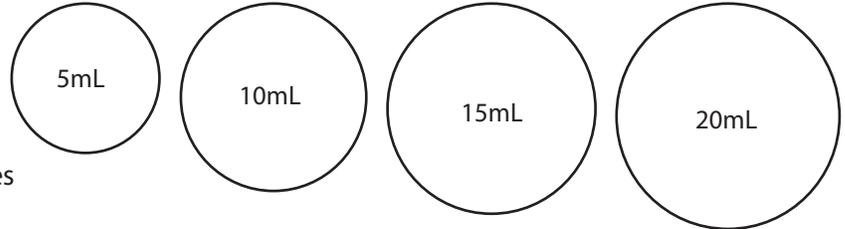
FOR COLLECTION OF LIQUID STOOL AND ODOR CONTAINMENT

The Fecal Management System is a soft, silicone catheter inserted into the rectum for collection of liquid stool. It is retained by an air-inflated low-pressure balloon. The proximal end of the large bore tube attaches to the barbed adapter on the collection line that is integrated to the 2000mL collection bag.

- Catheter size is determined by the size of the patient:
 - 20Fr for small and medium size dogs
 - 24Fr for medium and large size dogs
 - 28Fr for extra large dogs
- Balloon size is determined by approximating the normally formed stool size
- Reduces infection risk to other animals and humans
- Measurement lines help to monitor fluid losses
- Greatly reduces clean up time and supplies
- Keeps odor contained

Approximate balloon sizes by volume of air:

Sizes are approximate. Balloon may not be symmetrical when inflated. Volume of air should be determined prior to insertion and should be estimated based on normal stool size. Do not overinflate the balloon.

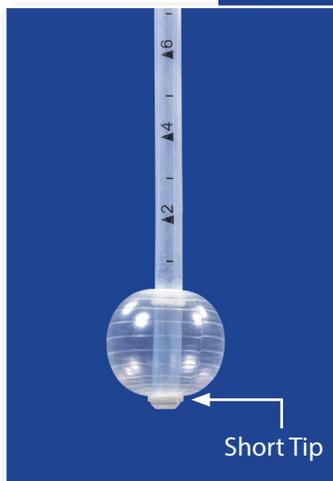


CATHETER SIZE	BREED	BALLOON SIZE	ITEM #
20Fr	Small	15-20cc	FM2000
24Fr	Medium	15-20cc	FM2400
28Fr	Large	15-20cc	FM2800
2000mL Replacement Bag (Non-sterile)			FMRB

"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

Kits include one catheter one 2000mL collection bag with integrated collection line



Locking Pigtail Catheter Kit Emergency Cystostomy

- For emergency indwelling drainage
- Ideal for emergency cystostomy in patients with urinary obstructions that cannot be manually unblocked
- Percutaneous cannula-over-needle placement facilitates controlled, minimally invasive catheter introduction
- Soft, flexible, kink resistant, radiopaque, polyurethane catheter
- Fenestrations positioned within catheter pigtail for effective drainage
- Locking string system prevents accidental uncoiling of the pigtail
- Pigtail (coil) helps retain the catheter in place
- Kit includes:
 1. Straightening cannula with direct puncture needle
 2. Pigtail catheter
 3. Suture wing
 4. Lightweight collection line with SPINNER luer lock
 5. 600mL collection bag

SIZE	LENGTH	ITEM #
6Fr	30cm (12in)	PT625
8Fr	30cm (12in)	PT825



Locking Pigtail Catheter Kit

Hemodialysis Catheter Kit

Now packaged with **MILA VuSite™** Window Dressing (Item # WD7) 

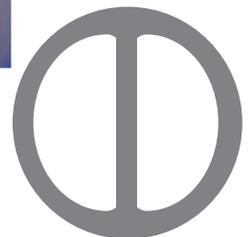
- Two D-shaped lumens for optimal, high blood flow rates
- Soft, polyurethane catheter designed to minimize catheter kinking
- Flexible tip for ease of placement and to minimize risk of vascular trauma
- Silicone extension lines for improved durability during repeated clamping
- Staggered exit ports designed to reduce recirculation
- Additional suture wing can be used to secure the catheter at the incision site, regardless of catheter indwell length
- Rotating suture wing on hub
- Kit includes:
 1. Double lumen polyurethane catheter with silicone extension lines
 2. Guidewire
 3. Dilator
 4. Fenestrated drape
 5. Scalpel
 6. Introducer
 7. Suture pack
 8. Suture wing
 9. Male caps
 10. MILA VuSite™
 11. Gauze

SIZE	LENGTH		ITEM #
7Fr	16cm (6.3in)		HDL716
8Fr	14cm (5.5in)	NEW SIZE	HDL814
8Fr	16cm (6.3in)		HDL816
12Fr	16cm (6.3in)		HDL1216
12Fr	25cm (10in)		HDL1225



New MILA VuSite™

The unique design with thicker walls and a double-D cross section supports maximum flow rates and significantly improves resistance to kinking.



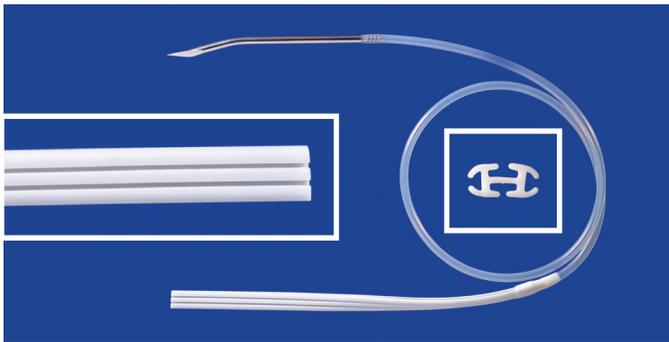
Blake Drain with Trocar (Peritoneal Dialysis)

Reduce risk of infection, Try with *MILA Guardian™*
 Item # DR7 see next column



- 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
- Length adjustable at both ends

DRAIN	TROCAR	ITEM #
8mm	16Fr (5.3mm)	BL8
11mm	16Fr (5.3mm)	BL11



Closed Collection Bag Kits

The 600mL and 1000mL Collection Bag Kits include: anti-reflux valve and twist drain, 180cm (72in) lightweight collection line with 360° SPINNER luer lock and injection/sampling port, and female luer lock barbed adapter

DESCRIPTION	ITEM #
600mL Collection Bag Kit	UC600K
1000mL Collection Bag Kit	UC1000K



MILA Guardian™

Protective Foam Disc with Chlorhexidine Gluconate (CHG)

Ideal for Drains, Esophagostomy Tubes and Hemodialysis Catheters

CLINICALLY PROVEN TO REDUCE THE RISK OF CATHETER-RELATED INFECTIONS.

- Chlorhexidine dressing with protects the entire insertion site of percutaneous devices 360° of skin antiseptis
- Designed to reduce risk of infection by absorbing exudate and inhibiting or killing bacteria
- 2.54cm (1in) diameter with 7mm center opening and radial slit for easy placement
- Each disc provides **7 DAYS** of protection
- Can be secured in place with the MILA VuSite™ (see page 22)

DESCRIPTION	ITEM #
MILA Guardian™	DR7

Actual size of MILA Guardian™

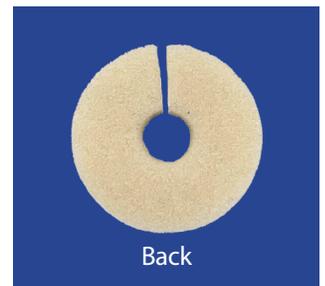
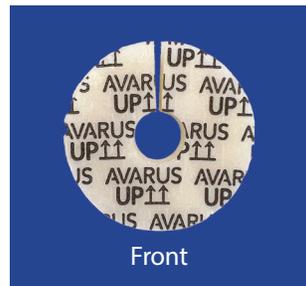


Photo courtesy of Carolyn Tai, CVT, VTS (ECC) (SAIM), Tufts University

Anal Sacculectomy Catheter



- Use for easier manipulation during anal sacculectomy
- Retention balloon is inflated to lift and isolate the anal sac
- Stiff, low-profile tip allows catheter to navigate into the anal sac duct opening
- Click the icon to view the below referenced article:



<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6515805/>

SIZE	LENGTH	BALLOON SIZE	ITEM #
4Fr	17.5cm (7in)	1mL	SAC4
6Fr	17.5cm (7in)	3mL	SAC6

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

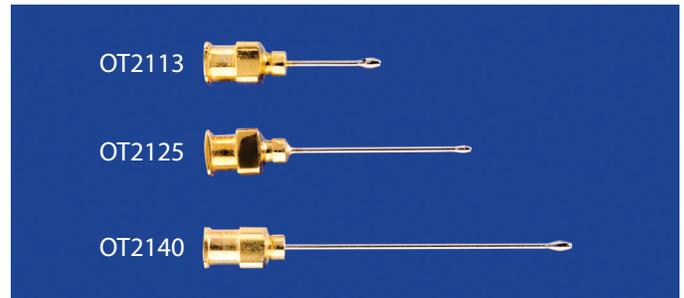


Olive Tip Needle

URETHRAL & ANAL GLAND LAVAGE NEEDLE

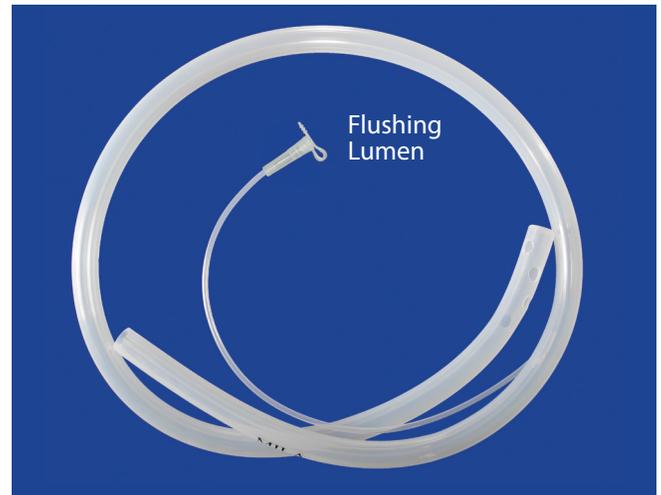
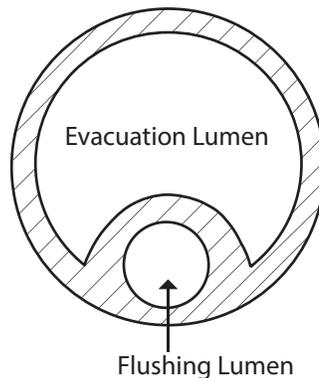
- Used to flush anal glands or distal end of feline penis
- Stainless steel needle with small atraumatic olive tip
- Female luer designed to fit any syringe
- Reusable

SIZE	LENGTH	ITEM #
21Ga	1.3cm (0.5in)	OT2113
21Ga	2.5cm (1.0in)	OT2125
21Ga	4.0cm (1.5in)	OT2140



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



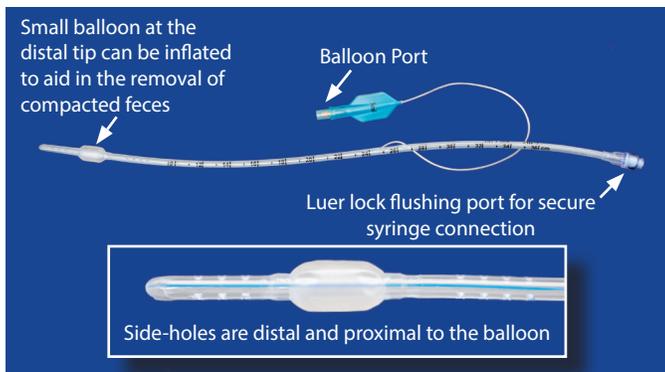
BREED	OD	ID	LENGTH	FLUSHING LUMEN	ITEM #
Giant	3cm (1.2in)	2.2cm (1.0in)	180cm (72in)	127cm (50in)	GDV1
Large	2.5cm (1.0in)	1.8cm (0.7in)	180cm (72in)	127cm (50in)	GDV2
Medium	1.7cm (0.6in)	1.2cm (0.48in)	125cm (50in)	81.3cm (32in)	GDV3
Small	1.2cm (0.48in)	0.87cm (0.34in)	125cm (50in)	81.3cm (32in)	GDV4

MILA Obstipation Evacuation Catheter



- Semi-rigid catheter body with smooth, rounded atraumatic tip, designed to remove compacted fecal matter in dogs and cats as an alternative to traditional enemas and digital extraction
- Lubricate catheter and insert beyond feces. A syringe with enema solution/lubricant is infused into catheter via the female luer lock port. Inflate balloon with air using a syringe connected to inflation port. Additional enema solution/lubricant can be infused while gently massaging the abdomen to loosen feces. Side holes at tip of catheter allow for thorough irrigation on both sides of the balloon. By slowly massaging the abdomen and gently pulling the catheter, feces can be safely removed. Repeat until all fecal matter is removed.

SIZE	LENGTH	BALLOON SIZE	ITEM #
15Fr	40cm (16in)	3mL	OEC-1516



Epidural Pain Management Kit



- Catheter through tuohy needle introduction
- Length adjustable epidural catheter with wire stylet
- Closed end with side-holes
- Kit includes:
 1. Catheter with wire stylet
 2. Tuohy introducer needle
 3. Loss-of-resistance syringe
 4. 0.2 micron bacteria filter
 5. Luer lock catheter clamp
 6. Suture wing
 7. Scalpel
 8. Drape
 9. Tape measure

SIZE	LENGTH	TOUHY NEEDLE	ITEM #
20Ga	90cm (36in)	18Ga x 7.5cm (3in)	9203
20Ga	90cm (36in)	18Ga x 15cm (6in)	9206



Epidural Kit Pieces

Diffusion Catheter/ Soft Tissue Incision Catheter for Pain Management



- Radiopaque polyurethane catheter with small holes in the distal end to evenly disperse anesthetic over 5cm (2in), 10cm (4in), 15cm (6in), 18cm (7.5in), or 22.5cm (9in)
- Designed to provide local anesthesia to the surgery site for several days
- Surgically place in the deepest layer of closure, or by using a 5Fr peel-away introducer (#4205 or #4205.5) for wounds
- Ideal for amputation incisions, traumatic wounds, mammary strips, total ear canal ablation, and thoracic/sternal surgery
- Use with the MILA Elastomeric pump (see page 101), a syringe or IV pump for continuous infusion

DISPERSION AREA	SIZE	LENGTH	ITEM #
2in (5cm)	16Ga	11cm (4.5in)	DIFF2
4in (10cm)	16Ga	30cm (12in)	DIFF4
6in (15cm)	16Ga	30cm (12in)	DIFF6
7.5in (18cm)	16Ga	30cm (12in)	DIFF7
9in (22.5cm)	16Ga	30cm (12in)	DIFF9
0.2 Micron Filter			
Individually packed / sterile (10 pack)			2420

See MILA website for sample protocols and dosages by Emily McCobb DVM MS DACVA or click the icon.



Opioid-free soft tissue pain management.

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

PinkPoly™ The Economy Catheter

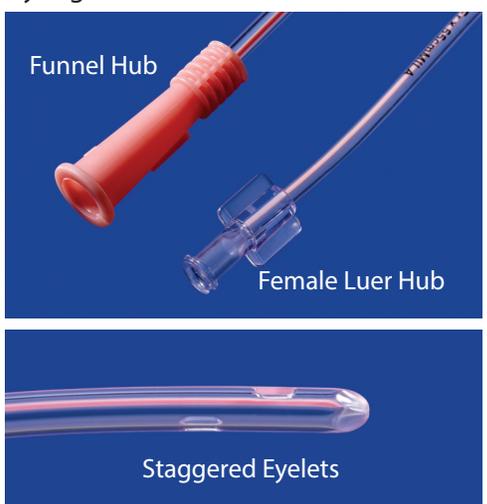


**Everyday Economy
for Short-Term Use**

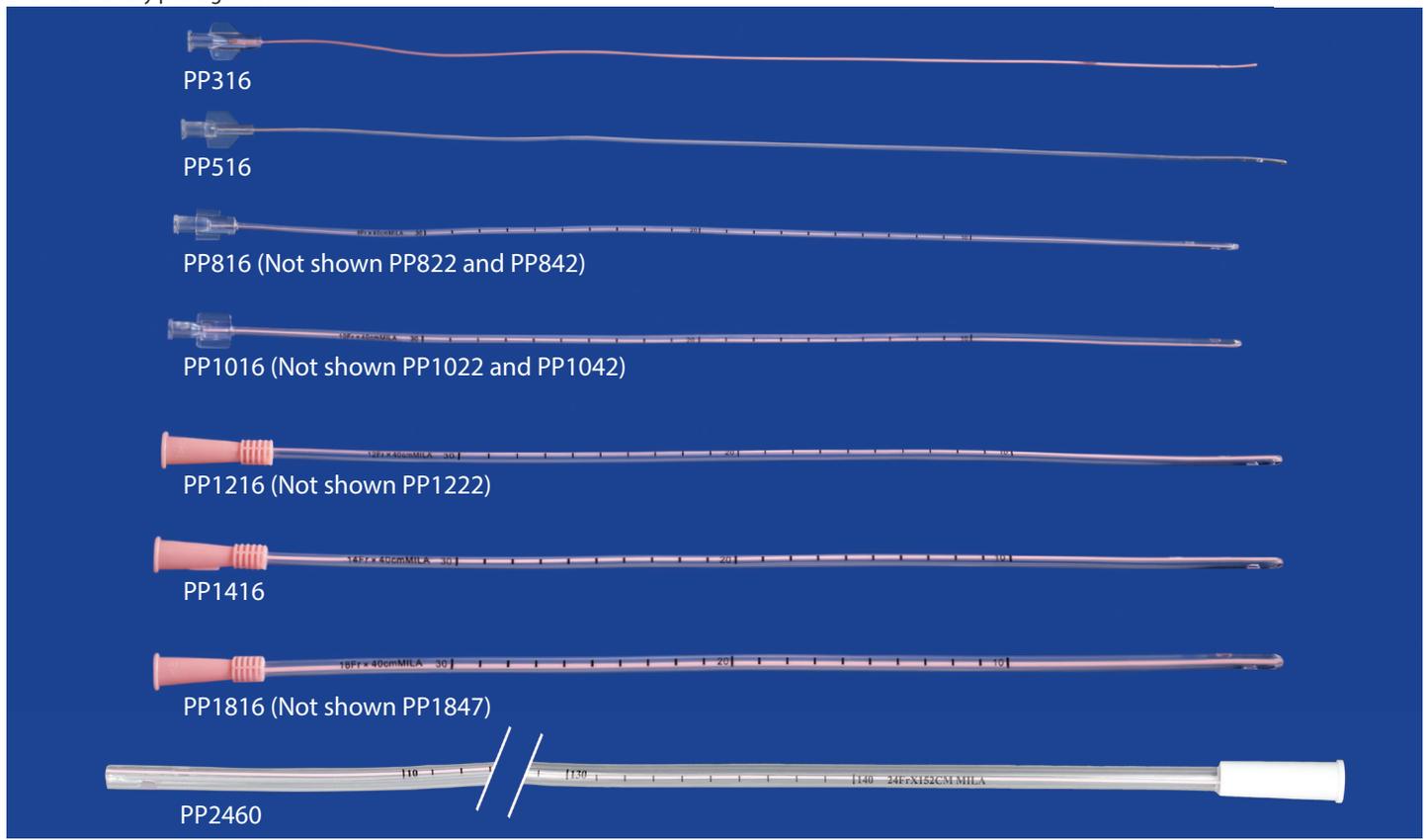
- Non-leaching, non-irritating, latex-free polymer (PVC hybrid) construction that becomes firm when cold and softens with body temperature
- Use for nasogastric or neonatal feeding, esophagostomy, urine drainage, oxygen delivery, and small animal BAL (see page 78)
- Clear catheter body designed to easily visualize contents within the catheter
- Radiopaque pink stripe eliminates need for contrast. Entire catheter of #PP316 (3.5Fr) is completely radiopaque
- Rounded, closed tip with staggered eyelets help to maintain tip strength during insertion and promote efficient drainage
- Smooth, polished surface inside and out - minimizes trauma during catheter insertion and removal
- Centimeter markings on 8Fr-24Fr for precise depth placement
- Longer lengths for 8Fr and 10Fr can be used for urinary catheterization for male dogs
- Female luer hub eliminates need for barbed adapter - connect DIRECTLY to your syringe or collection set

SIZE	LENGTH	HUB STYLE	ITEM #
3.5Fr	40cm (16in)	Female Luer	PP316
5Fr	40cm (16in)	Female Luer	PP516
8Fr	40cm (16in)	Female Luer	PP816
8Fr	55cm (22in)	Female Luer	PP822
8Fr	108cm (42in)	Female Luer	PP842
10Fr	40cm (16in)	Female Luer	PP1016
10Fr	55cm (22in)	Female Luer	PP1022
10Fr	108cm (42in)	Female Luer	PP1042
12Fr	40cm (16in)	Funnel	PP1216
12Fr	55cm (22in)	Female Luer	PP1222
14Fr	40cm (16in)	Funnel	PP1416
18Fr	40cm (16in)	Funnel	PP1816
18Fr	120cm (47in)	Funnel	PP1847
24Fr	152cm (60in)	Funnel	PP2460 NEW SIZE

IDEAL AS A MARE URINARY CATHETER
 IDEAL AS A STALLION URINARY CATHETER
 IDEAL AS A FOAL NASOGASTRIC TUBE



Each individually packaged and sterile.

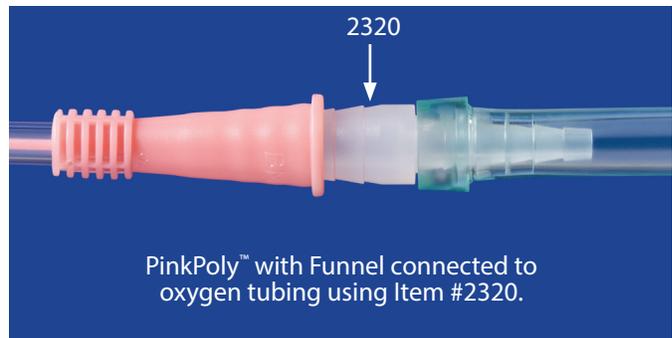
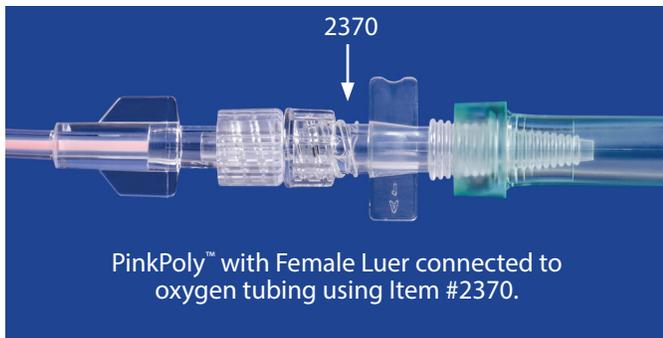


PinkPoly™ Catheter Adapters

Barbed Adapters to connect Female Luer or Funnel Hubs

DESCRIPTION	FITS TUBE SIZES	BOX QTY	ITEM #
Dual End Barbed Adapter	7.5mm-15mm	10	2300
Dual End Barbed Adapter	Small end 4.5-7.5mm/Large end 7-11mm	10	2320
Barbed adapter with male luer	4mm to 8mm (Ideal for oxygen)	10	2370
Barbed adapter with male luer	7mm to 10mm	10	2380

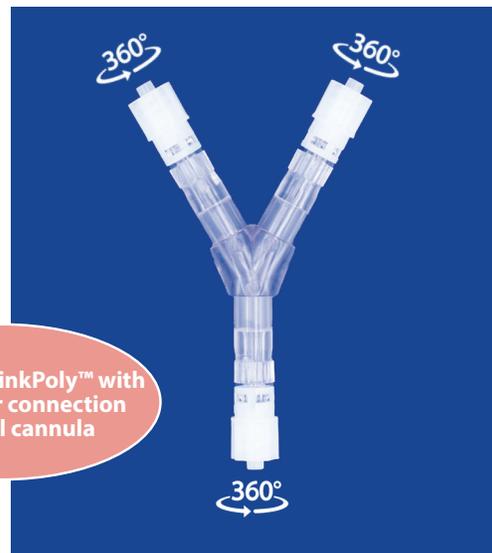
Each individually packaged and sterile.



Pneumatic Y-Connector with SPINNERS

- Durable wide-bore Y-piece
- 3 male luer lock connectors with SPINNERS
- Ideal for splicing bilateral chest tubes or nasal oxygen lines (additional adapters with female hubs may be required)

DESCRIPTION	ITEM #
Pneumatic Y-Connector with SPINNERS	2475



Connect to PinkPoly™ with female luer connection for nasal cannula

Gastrostomy Feeding Tube Kits

Reduce risk of infection,
Try with *MILA Guardian™*



Item # DR7
see page 51



- Radiopaque polyurethane material is non-irritating and stronger than silicone
- Collapsible ring bumper facilitates insertion and removal that is less traumatic than mushroom style
- Right-angle fixation device holds tube securely
- Locking Y-port for feeding, irrigation, decompression, and medication

SURGICAL PLACEMENT

Surgical Kit includes 50cm (20in) PEG tube, right angle fixation device, optional silicone fixation bar (as an alternative to the right angle fixation device), Y-port, and clamp.

DESCRIPTION	ITEM #
16Fr Surgically Placed Kit	PGS16
20Fr Surgically Placed Kit	PGS20

PERCUTANEOUS ENDOSCOPIC PLACEMENT

Endoscopic Kit includes introducer needle, placement wire with loop, 62.5cm (25in) PEG tube with loop, right angle fixation device, optional silicone fixation bar (as an alternative to the right-angle fixation device), Y-port, and clamp.

DESCRIPTION	ITEM #
16Fr Endoscopically Placed Kit	PEG16
20Fr Endoscopically Placed Kit	PEG20

GASTROSTOMY TUBE Y-PORT REPLACEMENT

Y-Replacement - 16Fr	RPEG16
Y-Replacement - 20Fr	RPEG20

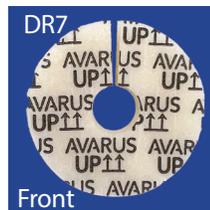
ACCESSORIES

MILA Guardian™ (Chlorhexidine Dressing)	DR7
500mL Enteral Feeding Bag	FB500
1000mL Enteral Feeding Bag	FB1000



Kit Pieces

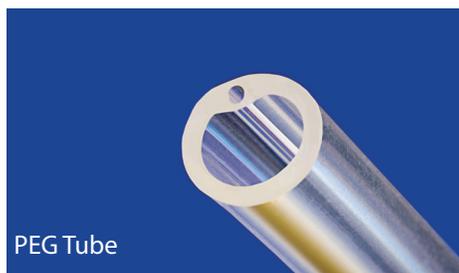
Compatible jejunal feeding tubes on next page



Front



Back



PEG Tube



PEG Wire



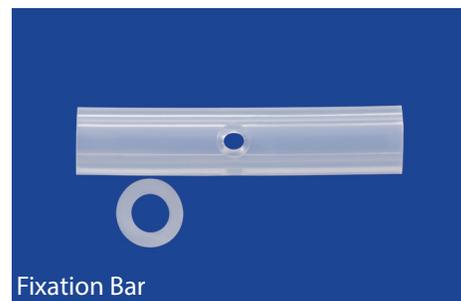
PEG Y-Ports



Collapsible Ring Bumper



Right-Angle Fixation Devices



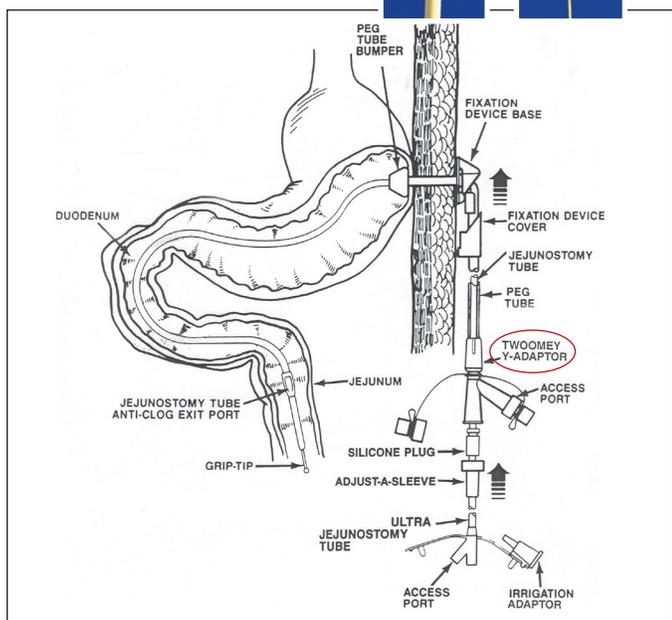
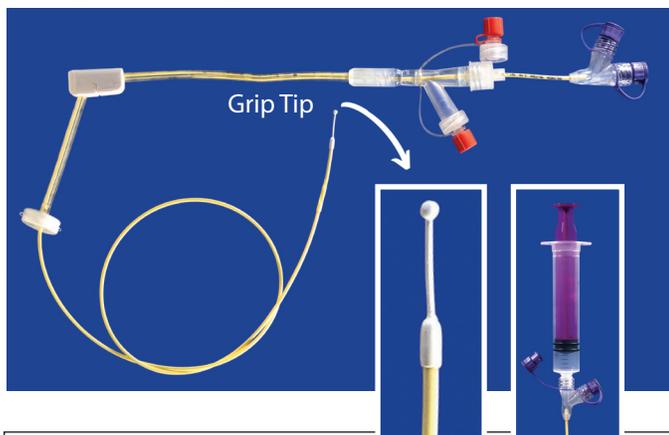
Fixation Bar

Jejunum Feeding Tubes with ENFit™ Connector (J thru G)

- The tubes listed below must be placed through either a 16Fr or 20Fr MILA PEG tube (on previous page)
- Continuous nutritional support via a jejunal tube positioned in duodenum or jejunum
- Stomach can be evacuated via the side port while the J-tube is locked in place by the Twoomey adapter, with no up/down slippage or leakage
- Grip tip on distal end for grasping with endoscope
- Centimeter markings for precise depth placement
- All sizes have an ENFit™ connection on the proximal end. Two ENFit™ syringes are included

SIZE	LENGTH	FITS THROUGH PEG/PGS SIZE	ITEM #
6Fr	91cm (36in)	PEG16 or PGS16	J636
8Fr	91cm (36in)	PEG20 or PGS20	J836
10Fr	91cm (36in)	PEG20 or PGS20	J1036

For SURGICALLY PLACED J-tubes, refer to STERILE Nasogastric Feeding Tubes on pages 58-60.



Mic-Key™ Low Profile Gastrostomy Tube

Reduce risk of infection, Try with MILA Guardian™



- Unique balloon style cuff enables insertion and removal without trauma after the stoma is formed
- Kit includes patient care kit with 6mL & 35mL 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 to 5.0cm (length is measured from the proximal side of the balloon to the skin surface) Click the icon to see all available sizes.



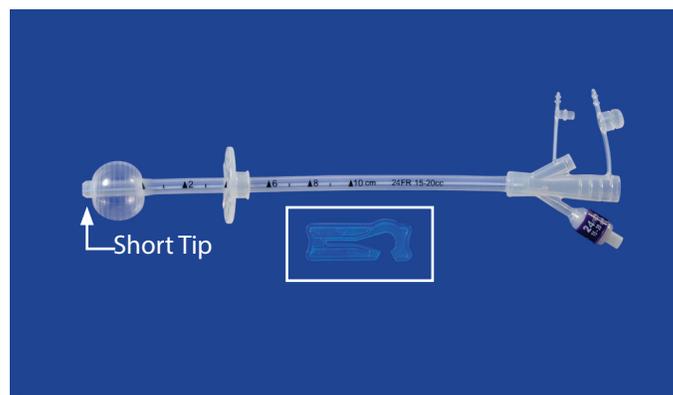
- Order the Stoma Measuring Device to determine the length of the formed stoma and the appropriate Mic-Key™ size
- Special order item; allow 5 business days for delivery

DESCRIPTION	ITEM #
Mic-Key™ - specify Fr size and length	Mic-Key
Stoma Measuring Device	M5555

Gastrostomy Catheter

- Surgically placed open-ended silicone J tube with 20mL retention balloon, radiopaque stripe, fixation ring, Y-Port and clamp included
- Can be used for J through G catheterization

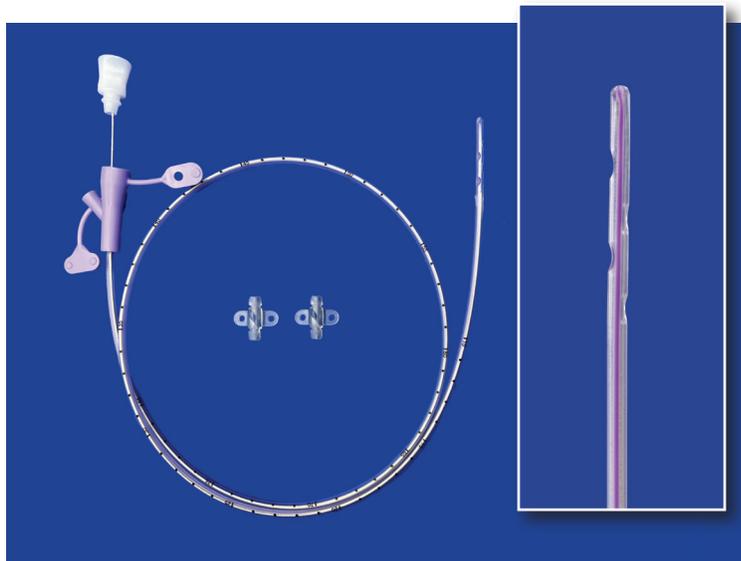
SIZE	LENGTH	BALLOON SIZE	ITEM #
20Fr	25cm (10in)	15-20cc	CYGA20
24Fr	25cm (10in)	15-20cc	CYGA24
28Fr	25cm (10in)	15-20cc	CYGA28



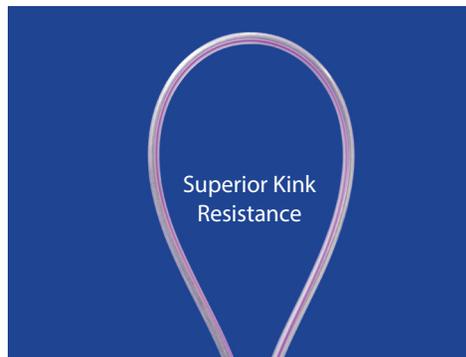
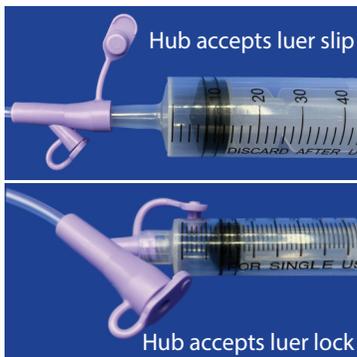
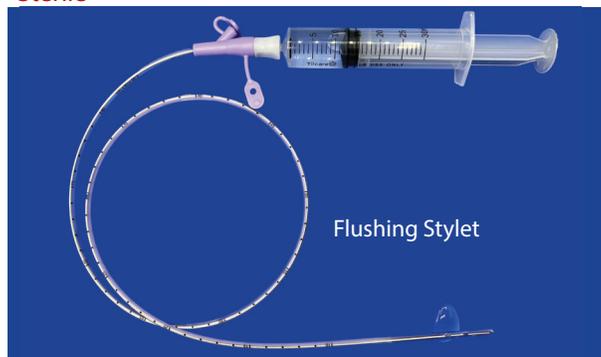
Nasogastric Feeding Tube PLUS with Flushing Stylet

- Use for gastric decompression and enteral feeding via the nasogastric route
- Non-irritating, LOW FRICTION, transparent polyurethane with purple radiopaque stripe, depth markings, and two suture wings to secure the tube in place
- Sterile tubes can be used for surgically placed jejunal tubes
- 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
- Stylet hub fits luer slip syringe tips to allow the user to reliably test for negative pressure after tube placement and before stylet removal
- Dual port designed for catheter-tip, luer lock, and luer slip syringes - No adapter required!
- Superior kink resistance

SIZE	LENGTH	ITEM #
5Fr	55cm (22in)	NGP522S*
5Fr	90cm (36in)	NGP536S*
6Fr	55cm (22in)	NGP622
6Fr	55cm (22in)	NGP622S*
6Fr	90cm (36in)	NGP636
8Fr	90cm (36in)	NGP836
8Fr	90cm (36in)	NGP836S*
8Fr	108cm (43in)	NGP843
8Fr	140cm (55in)	NGP855
10Fr	90cm (36in)	NGP1036
10Fr	90cm (36in)	NGP1036S*
10Fr	108cm (43in)	NGP1043
10Fr	140cm (55in)	NGP1055
10Fr	180cm (71in)	NGP1071
12Fr	108cm (43in)	NGP1243
12Fr	140cm (55in) NEW SIZE	NGP1255



*Sterile



WEIGHTED Nasogastric Feeding Tube Plus with Flushing Stylet

Weighted NG Plus Feeding tubes have all of the same features as non-weighted tubes but with tungsten beads in the distal tip.

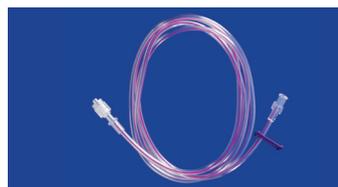
SIZE	LENGTH	ITEM #
6Fr	55cm (22in)	NGP622W
8Fr	108cm (43in)	NGP843W
10Fr	90cm (36in)	NGP1036W
10Fr	108cm (43in)	NGP1043W
12Fr	108cm (43in)	NGP1243W



Feeding Tube Extension Set

- Color-coded purple for safety to indicate feeding
 - Male luer fits the port of all MILA yellow and purple NG Tubes
- Large Bore Feeding Tube Extension Set with Rotating Male Luer Lock, Clamp, and Female Luer.

SIZE	LENGTH	PRIMING VOLUME	ITEM #
13Ga	152cm (60in)	9.4mL	FTE60



EASY TO FILL and MESS FREE!

Enteral Feeding Bag with Spike Port

- Ideal for medium to large volume feeding via nasogastric, nasoesophageal, esophagostomy, or gastrostomy tubes
- Use your preferred administration set for gravity or pump delivery
- Wide spout (4.5cm diameter) and cap make the bags EASY TO FILL and MESS FREE!
- Each bag has a handle to easily hang at the required height
- Non-sterile
- Great for feeding foals



DESCRIPTION	ITEM #
500mL Enteral Feeding Bag	FB500
1000mL Enteral Feeding Bag	FB1000

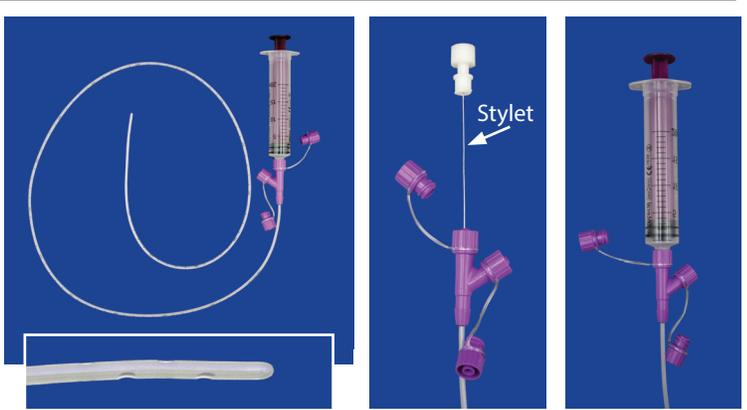
ENFit™ Nasogastric Feeding Tube Plus

NEW!

- All of the improved features of the NG Plus, now with a luer specially designed to only accept ENFit™ connections
- ENFit™ tubes require an ENFit™ syringe

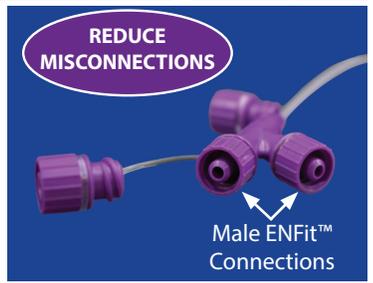
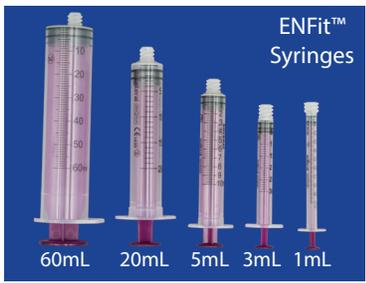
SIZE	LENGTH	ITEM #
5Fr	55cm (22in)	NGP522S-EF*
6Fr	55cm (22in)	NGP622-EF
6Fr	90cm (36in)	NGP636-EF
8Fr	108cm (43in)	NGP843-EF
8Fr	140cm (55in)	NGP855-EF
10Fr	90cm (36in)	NGP1036-EF
10Fr	108cm (43in)	NGP1043-EF
10Fr	140cm (55in)	NGP1055-EF
10Fr	180cm (71in)	NGP1071-EF
12Fr	108cm (43in)	NGP1243-EF

*Sterile



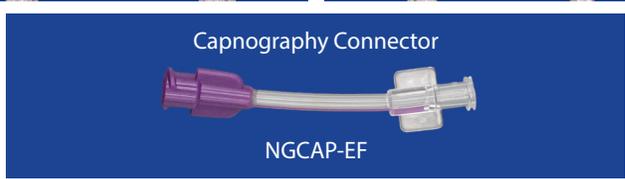
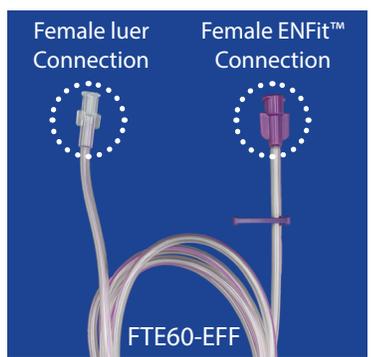
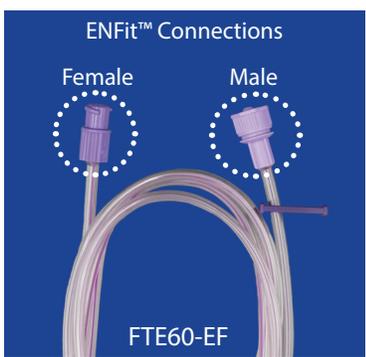
Weighted ENFit™ Sizes

SIZE	LENGTH	ITEM #
6Fr	55cm (22in)	NGP622W-EF
8Fr	108cm (43in)	NGP843W-EF
10Fr	90cm (36in)	NGP1036W-EF
10Fr	108cm (43in)	NGP1043W-EF
12Fr	108cm (43in)	NGP1243W-EF



ENFit™ Accessories

DESCRIPTION	ITEM #
152cm (60in) Feeding Extension Set with one male ENFit™ luer and one female ENFit™ Luer	FTE60-EF
152cm (60in) Feeding Extension Set with one female ENFit™ luer and one standard female luer	FTE60-EFF
Capnography Connector ENFit™	NGCAP-EF
1mL ENFit™ Syringe	NGSYR-1
3mL ENFit™ Syringe	NGSYR-3
5mL ENFit™ Syringe	NGSYR-5
20mL ENFit™ Syringe	NGSYR-20
60mL ENFit™ Syringe	NGSYR-60

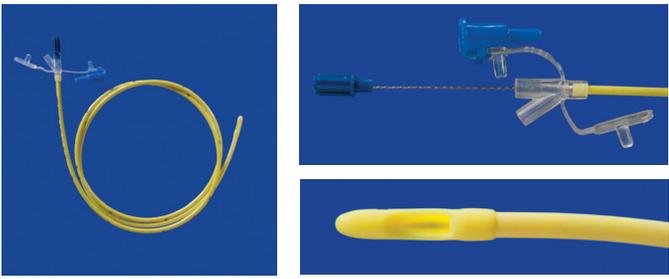


Nasogastric Feeding Tube with Stylet

- Use for gastric decompression and enteral feeding
- Non-irritating radiopaque polyurethane
- Stylet to facilitate insertion
- Centimeter markings
- Y-port for feeding, medicating, and flushing
- Can be used as surgically placed jejunal tube (see STERILE items listed below)

SIZE	LENGTH	ITEM #
3Fr	25cm (10in) (no stylet)	NG3105*
5Fr	56cm (22in)	NG5225*
6Fr	56cm (22in)	NG622
6Fr	91cm (36in)	NG636
8Fr	109cm (43in)	NG843
8Fr	140cm (55in)	NG855
10Fr	91cm (36in)	NG1036
10Fr	109cm (43in)	NG1043
10Fr	140cm (55in)	NG1055
12Fr	109cm (43in)	NG1243

*STERILE



WEIGHTED Nasogastric Feeding Tube with Stylet

- Weight in distal end
- Use for gastric decompression and enteral feeding
- Non-irritating radiopaque polyurethane
- Stylet to facilitate insertion
- Centimeter markings
- Y-port for feeding, medicating, and flushing

SIZE	LENGTH	WEIGHT	ITEM #
6Fr	56cm (22in)	1g	NG622W
8Fr	109cm (43in)	3g	NG843W-3
8Fr	109cm (43in)	7g	NG843W-7
10Fr	91cm (36in)	3g	NG1036W
10Fr	109cm (43in)	3g	NG1043W
12Fr	109cm (43in)	3g	NG1243W



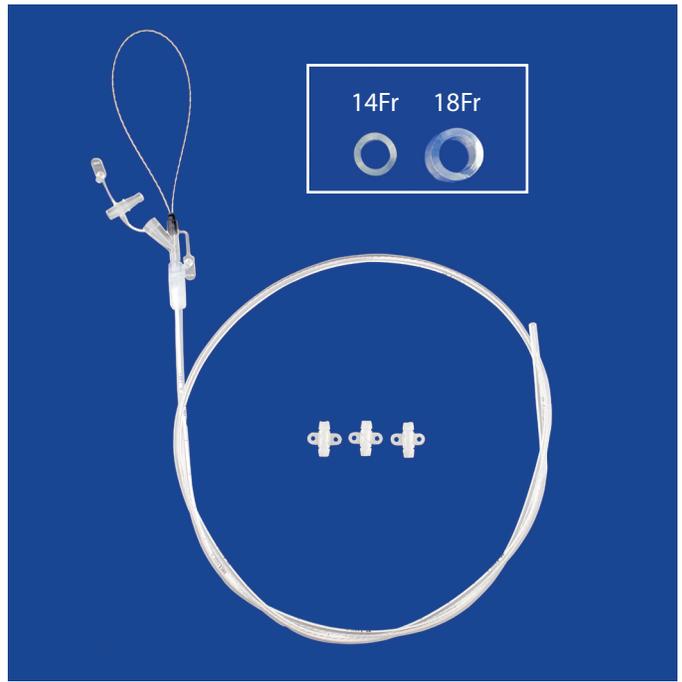
Large Animal Nasogastric Feeding Tubes

- Use for gastric decompression and enteral feeding
- Non-irritating polyurethane with radiopaque stripe
- Stylet to facilitate insertion
- Centimeter markings
- Y-port for feeding, medicating, and flushing
- LENGTH ADJUSTABLE AFTER PLACEMENT by cutting the proximal end and replacing Y-port



SIZE	LENGTH		ITEM #
14Fr	125cm (50in)	FOALS and LARGE DOGS	NG1450
18Fr	250cm (100in)	ADULTS	NG18100

Length adjustable AFTER placement with removable Y-Port



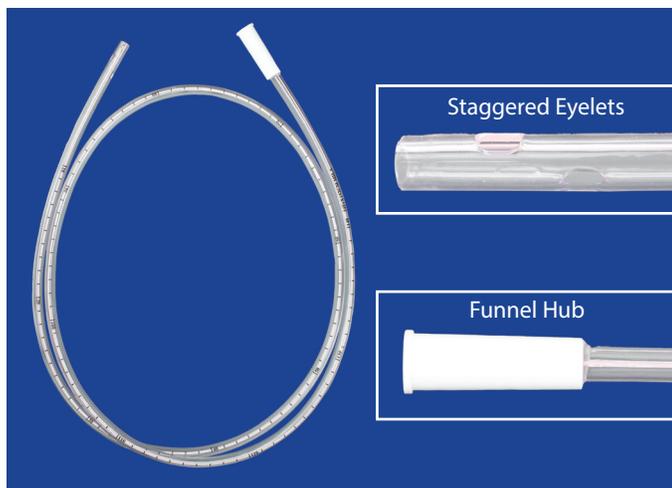
TAPERED OPEN END WITH SIDE-HOLES AND RADIOPAQUE STRIPE

Foal Nasogastric Tube

NEW!

- Non-leaching, non-irritating, latex-free polymer (PVC hybrid) construction that becomes firm when cold and softens with body temperature
- Clear catheter body designed to easily visualize contents within catheter
- Radiopaque pink stripe eliminates need for contrast
- Smooth, polished, open tip with staggered eyelets help maintain tip strength during insertion and promote efficient drainage
- Funnel hub for connection to catheter-tip syringe
- Centimeter markings for precise depth placement

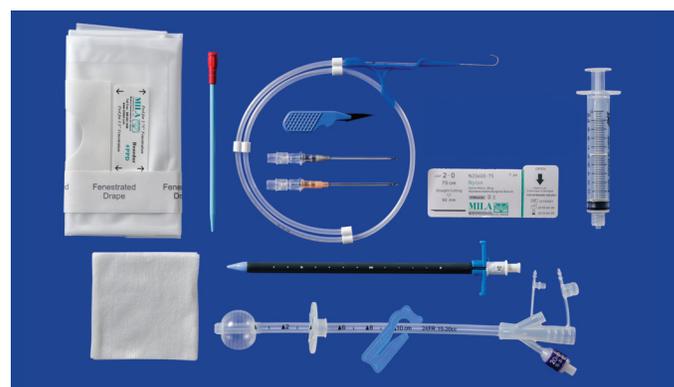
SIZE	LENGTH	ITEM #
24Fr	152cm (60in)	PP2460



Percutaneous Balloon Catheter Kit for Gastrostomy

- Introduction uses Seldinger technique and peel-away dilator sheath
- Open-ended silicone catheter with centimeter markings, Y-port, fixation ring and radiopaque stripe
- Short catheter tip reduces the risk of mucosal irritation
- Large funnel Y-port with tethered caps
- Adjustable fixation ring prevents catheter migration
- Kit includes:
 1. Fenestrated drape
 2. Scalpel
 3. Catheter-over-needle introducers
 4. Guidewire
 5. 12Fr dilator
 6. 24Fr dilator with peel-away introducer sheath
 7. Catheter with fixation ring and clamp
 8. Gauze
 9. Suture pack
 10. Syringe

SIZE	LENGTH	BALLOON SIZE	ITEM #
20Fr	25cm(10in)	15-20cc	PBC20



Silicone Esophagostomy Feeding Tubes

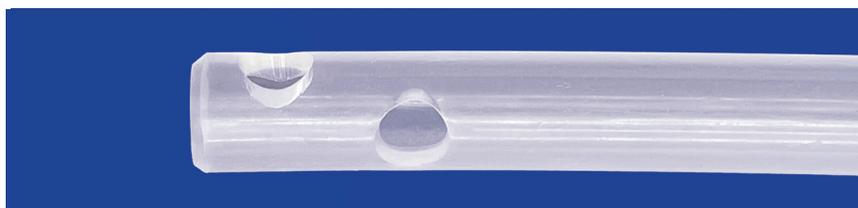
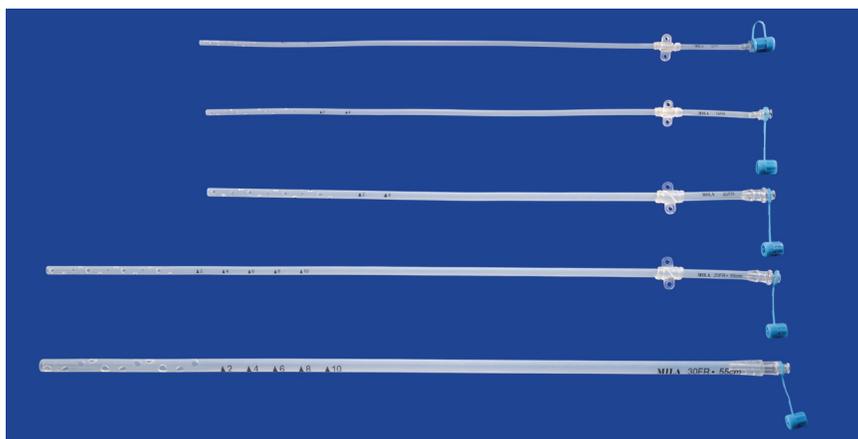
Reduce risk of infection,
Try with **MILA Guardian™**
Item # DR7
see page 51

- Silicone material
- Open end with two side-holes
- Female luer lock adapter with tethered cap
- Suture wing included on all sizes except 30Fr
- Item #SE2030 and #SE3044 are length adjustable and can be placed with the Tunneler, using retrograde technique as shown on page 63



SIZE	LENGTH	ITEM #
12Fr	38cm (15in)	SE1215
14Fr	38cm (15in)	SE1415
20Fr	38cm (15in)	SE2015
20Fr	55cm (22in)	SE2022
20Fr	76cm (30in)	SE2030*
30Fr	55cm (22in)	SE3022
30Fr	110cm (44in)	SE3044*

* Hub not attached.



Length-Adjustable Esophagostomy Feeding Tubes

Reduce risk of infection,
Try with *MILA Guardian™*
Item # DR7
see page 51

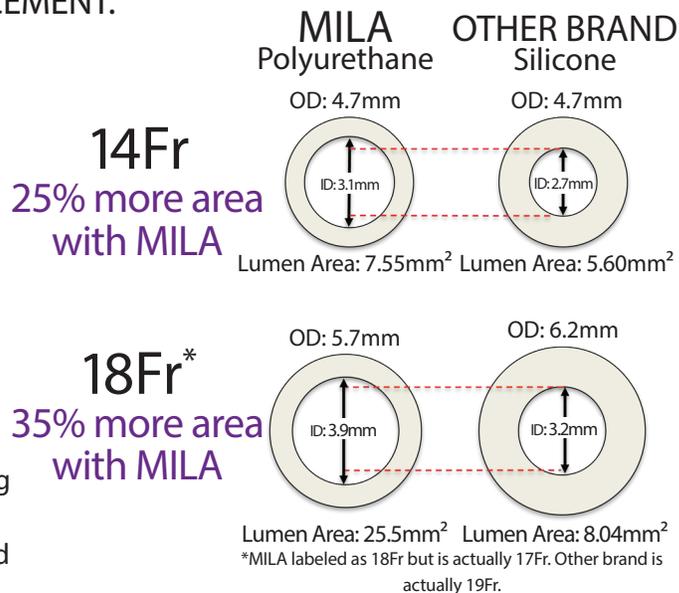


Kink-resistant polyurethane tube for long-term enteral feeding via esophagostomy. Features include a tapered, open end with multiple side-holes, suture wing, Y-port for catheter tip or luer-slip syringes, and a radiopaque stripe.

The tube can be cut to desired length AFTER PLACEMENT.



- Tapered, open-end with multiple side-holes
- CLEAR, non-irritating polyurethane material that resists kinking
- Secure Y-Port for feeding, medicating, and flushing
- Length-adjustable after placement by cutting the proximal end and replacing Y-Port
- Suture wing included
- Radiopaque stripe with centimeter markings



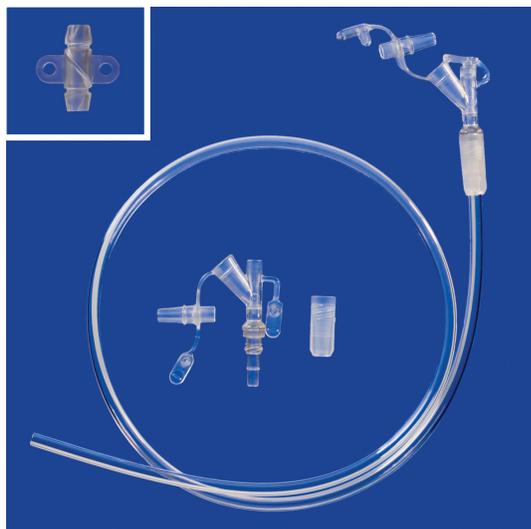
FOR RETROGRADE TECHNIQUE:

SIZE	LENGTH		MILA TUNNELER ITEM #	ITEM #
10Fr	75cm (30in)	RECOMMENDED LENGTH	ETUN14	E1030
14Fr	33cm (13in)		N/A	E1413
14Fr	75cm (30in)	RECOMMENDED LENGTH	ETUN14	E1430
14Fr	125cm (50in)		ETUN14	E1450*
18Fr	75cm (30in)	RECOMMENDED LENGTH	ETUN18	E1830

Y-Port Replacement Kit for 14Fr and 18Fr Esophagostomy Tubes

E-Y

* Item #E1450 includes a stiffening stylet. There are no side-holes on this size only.



Esophagostomy Feeding Tube Placement

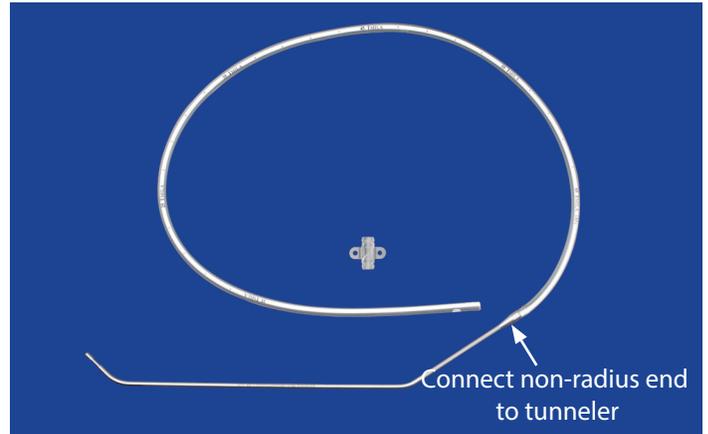
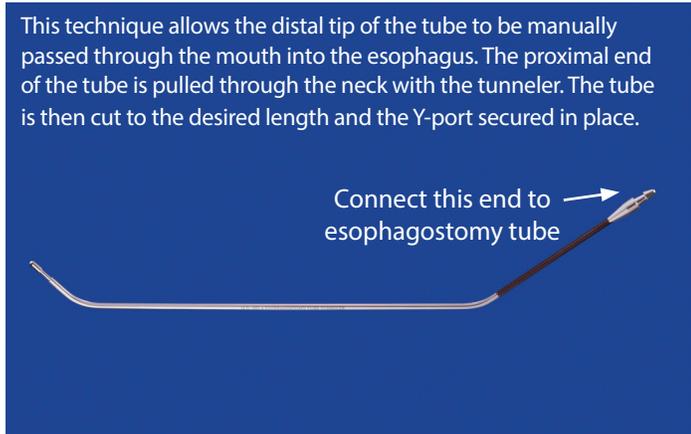
Retrograde Technique: Tunneler for Esophagostomy Feeding Tube Placement



EASIER AND FASTER – Retrograde tunneling greatly improves the ability to easily, safely, and quickly position the MILA length-adjustable Esophagostomy Feeding Tubes.

DESCRIPTION	FITS TUBE SIZES:	ITEM #
14Fr Esophagostomy Tube Tunneler	10Fr and 14Fr (item #'s E1030, E1430 and E1450)	ETUN14
18Fr Esophagostomy Tube Tunneler	18Fr (item #E1830)	ETUN18
20Fr Esophagostomy Tube Tunneler	20Fr (item #SE2030)	ETUN20
30Fr Esophagostomy Tube Tunneler	30Fr (item #SE3044)	ETUN30

This technique allows the distal tip of the tube to be manually passed through the mouth into the esophagus. The proximal end of the tube is pulled through the neck with the tunneler. The tube is then cut to the desired length and the Y-port secured in place.



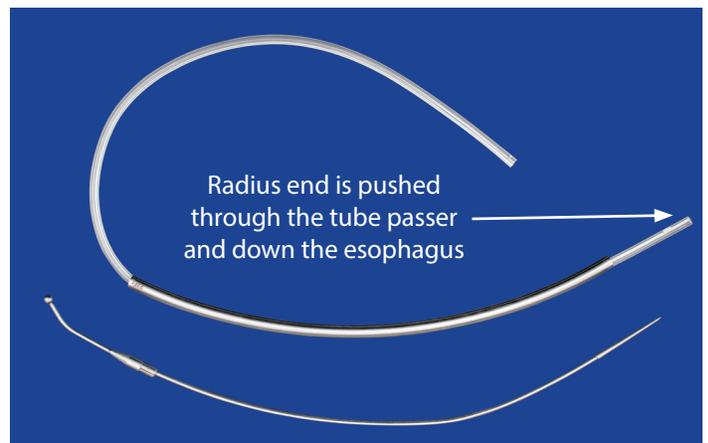
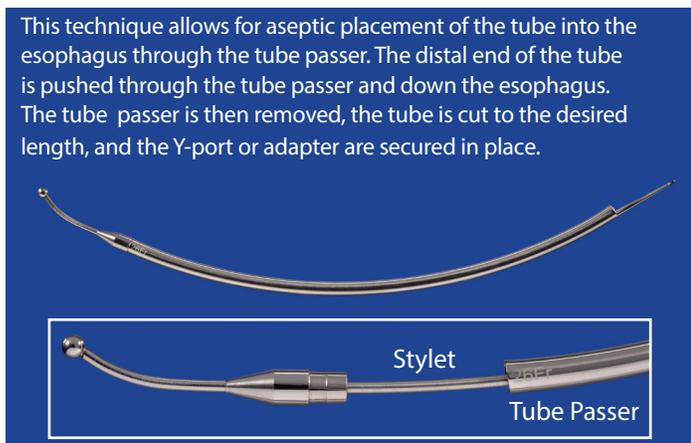
Antegrade Technique: Tube Passer for Esophageal Feeding Tube Placement



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 (pages 64-65). See MILA website for detailed instructions and videos.

DESCRIPTION	FITS TUBE SIZES:	ITEM #
18Fr Introducer	14Fr (Item #'s E1430 and E1450)	BE18MI
22Fr Introducer	18Fr (Item # E1830)	BE22MI
26Fr Introducer	20Fr (Item #SE2030)	BE26MI

This technique allows for aseptic placement of the tube into the esophagus through the tube passer. The distal end of the tube is pushed through the tube passer and down the esophagus. The tube passer is then removed, the tube is cut to the desired length, and the Y-port or adapter are secured in place.



Esophageal Balloon Dilation Feeding Tube



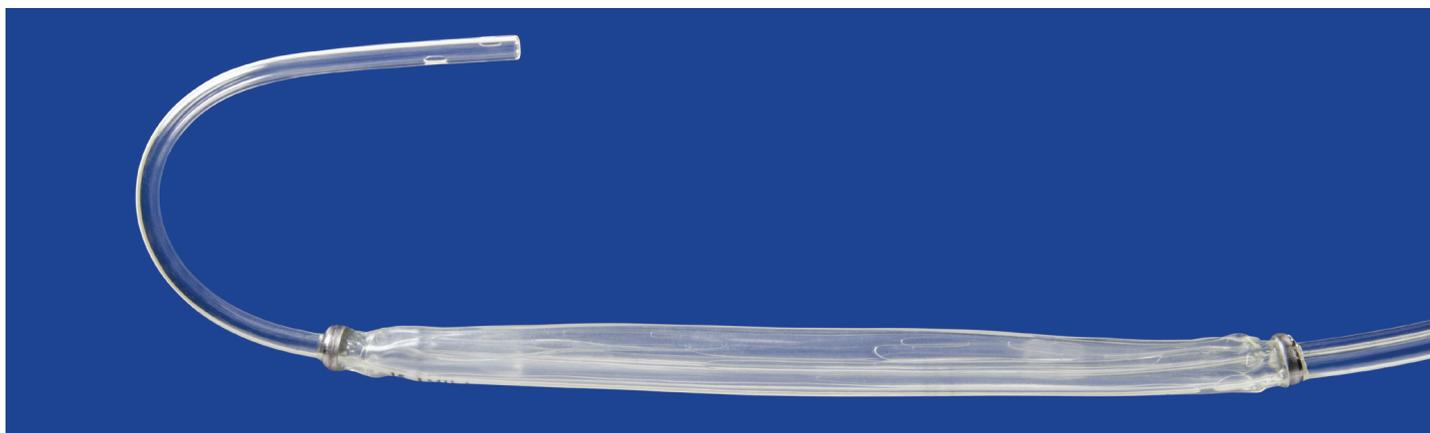
Use this one-stage esophageal balloon dilation feeding tube for palliative management of benign esophageal stricture and for feeding of cats and dogs. This is an effective single-procedure alternative to repeated expensive balloon dilations and incorporates the esophageal feeding tube.

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

- Clear, non-irritating polyurethane ideal for long-term use (Latex-free)
- Lateral ports minimize catheter occlusion
- Radiopaque line for precise placement
- Accessory kit contains two hydrophilic nitinol wires with steerable tip (.035in x 80cm and .035in x 150cm), a Centesis Adapter (Auto 3-way), and a stopcock (#2405)
- Items needed for placement and operation of the BE-tube: accessory kit, stainless steel introducer, and inflation device

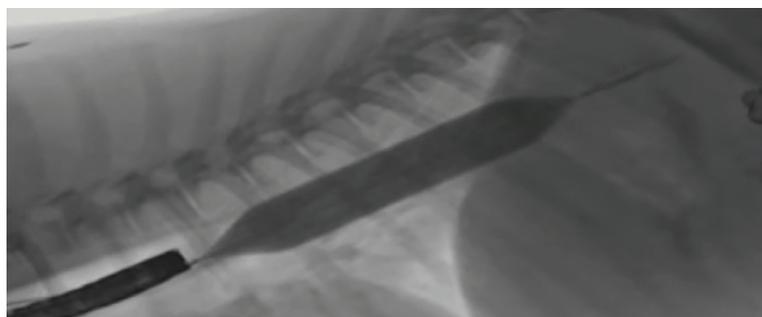


See 2018 publication at the web address below or scan the QR code:
 Tan DK, Weisse C, Berent A, Lamb KE. Prospective evaluation of an indwelling esophageal balloon dilation feeding tube for treatment of benign esophageal strictures in dogs and cats.
 J Vet Intern Med. 2018;00:1–8. <https://doi.org/10.1111/jvim.15071>



***DISCUSSION:** 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.*

– Chick Weisse, VMD, DACVS

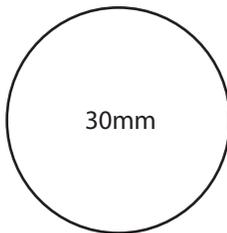
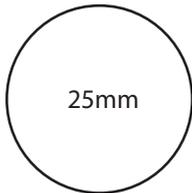
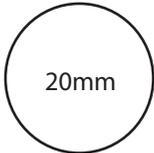


Items Needed to Place and Operate Esophageal Balloon Dilation Feeding Tube

1.

Select the appropriate balloon size and length for the esophageal feeding tube.

Balloon Diameters
(Actual Size)



DESCRIPTION

10Fr x 75cm (30in) Feeding Tube with a balloon 10mm diameter x 12cm length - Order with BE18MI	BE1012
14Fr x 75cm (30in) Feeding Tube with a balloon 15mm diameter x 15cm length - Order with BE22MI	BE1415
14Fr x 75cm (30in) Feeding Tube with a balloon 20mm diameter x 20cm length - Order with BE22MI	BE1420
18Fr x 75cm (30in) Feeding Tube with a balloon 25mm diameter x 25cm length - Order with BE26MI	BE1825
18Fr x 75cm (30in) Feeding Tube with a balloon 30mm diameter x 30cm length - Order with BE26MI	BE1830

ITEM #

2.

Select the appropriate Introducer.



DESCRIPTION

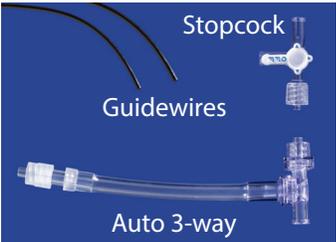
18Fr Introducer for 10Fr BE Tube	BE18MI
22Fr Introducer for 14Fr BE Tube	BE22MI
26Fr Introducer for 18Fr BE Tube	BE26MI

ITEM #

3.

Order the accessory kit which includes.

- TWO Nitinol guidewires with steerable tip (0.035in x 80cm and 0.035in x 150cm)
- ONE Auto 3-way (item #175450NB)
- ONE Stopcock (item #2405)



DESCRIPTION

Accessory Kit - Wires, Centesis Valve, Stopcock	Required
---	----------

ITEM #

BE-ACC

4.

Order the inflation device.

- Reusable
- Barrel volume = 60mL
- 33cm (13in) extension tubing with rotating male luer
- Analog display to monitor inflation pressure of the balloon



DESCRIPTION

60mL Inflation Device	Required
-----------------------	----------

ITEM #

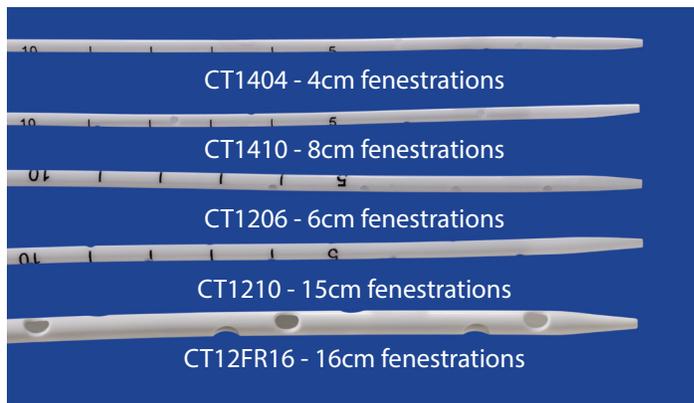
BE-BIG60

Guidewire-Inserted Chest Tube Kit

Now packaged with
MILA VuSite™
 Window Dressing (Item # WD7)



- Fenestrated polyurethane catheter inserted percutaneously with the Seldinger Technique for drainage and/or lavage of the pleural cavity
- Use for pyothorax, hemothorax, pneumothorax, thoracic lavage, or pericardial drain
- Placed using local anesthetic and sedation
- Stasis valve keeps the catheter sealed, eliminating the need for a three-way stopcock
- Additional suture wing for secure depth adjustment and attachment



• 12Ga and 14Ga catheter kits include:

1. Introducer catheters
2. Guidewire
4. Dilator
3. Chest tube with integrated extension
5. Suture wings
6. Stasis valve
7. Cap
8. MILA VuSite™ Window Dressing

• 12Fr catheter kit includes:

1. Fenestrated drape
2. Scalpel
3. Introducer catheter
4. Guidewire
5. Dilator
6. Chest tube with integrated extension and pre-loaded stiffening stylet
7. Suture wing
8. 3-0 suture
9. High flow stasis valve
10. Cap
11. Gauze
12. MILA VuSite™ Window Dressing

SIZE	LENGTH	FENESTRATIONS	ITEM #
14Ga	20cm (8in)	5 fenestrations up to 4cm	CT1404
14Ga	20cm (8in)	7 fenestrations up to 8cm	CT1410
12Ga	20cm (8in)	7 fenestrations up to 6cm	CT1206
12Ga	30cm (12in)	14 fenestrations up to 15cm	CT1210
12Fr	30cm (12in)	16 fenestrations up to 16cm	CT12Fr16



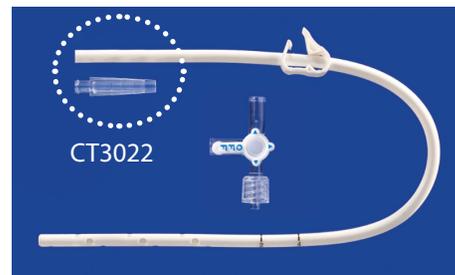
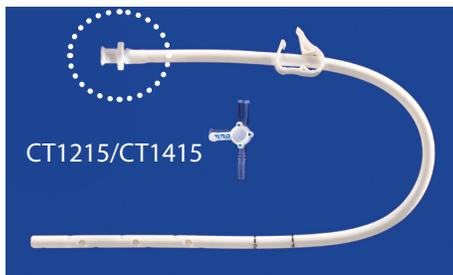
Photos courtesy of Mike Ethier DVM, DVSc, DACVECC

Silicone Chest Tubes

- Radiopaque, single lumen, open-end with multiple fenestrations
- Silicone material is very kink-resistant
- Use for drainage of air or fluid
- Surgically placed
- Includes clamp, female luer lock barbed adapter or stopcock (see photos below)



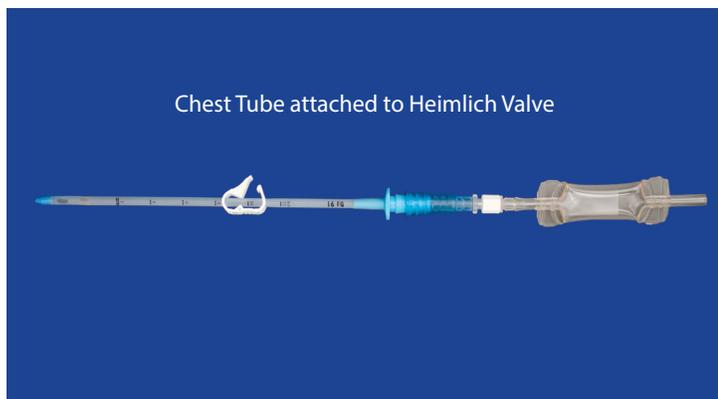
SIZE	LENGTH	FENESTRATION	ITEM #
12Fr	38cm (15in)	5cm of fenestrations	CT1215
14Fr	38cm (15in)	7cm of fenestrations	CT1415
20Fr	38cm (15in)	10cm of fenestrations	CT2015
20Fr	55cm (22in)	10cm of fenestrations	CT2022
30Fr	55cm (22in)	12cm of fenestrations	CT3022



Chest Tube with Sharp Trocar and Adapter

- All sizes include clamp and female luer adapter
- Open-end with two large fenestrations
- Centimeter markings
- PVC material

SIZE	LENGTH	ITEM #
10Fr	19cm (7.5in)	CTT10S
12Fr	19cm (7.5in)	CTT12S
14Fr	19cm (7.5in)	CTT14S
16Fr	21cm (8.0in)	CTT16
20Fr	34cm (13.5in)	CTT20
24Fr	34cm (13.5in)	CTT24
28Fr	34cm (13.5in)	CTT28
32Fr	34cm (13.5in)	CTT32

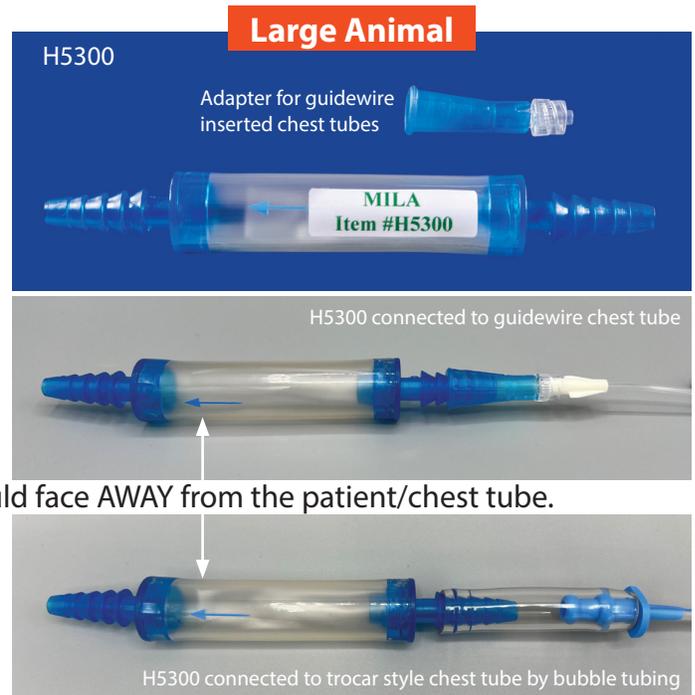


Heimlich Valves

For one-way evacuation of air and/or fluid

- #H2900 is a pillow-style valve typically used in small animal applications. Two adapters are included: one dual-ended barbed adapter for connection to funnel hub tubes or those with an inner diameter of 7mm to 11mm, and one male luer lock adapter for connection to MILA Guidewire-Inserted Chest Tubes, MILA Silicone Chest Tubes, or the female luer adapter included with MILA Trocar Chest Tubes.
- #H5300 is a semi-rigid cylinder style valve typically used in large animal applications and can connect directly to funnel-hub tubes or those with an inner diameter of 8.5mm to 12mm. A male luer adapter is included for connection to MILA Guidewire-Inserted Chest Tubes, MILA Silicone Chest Tubes, or the female luer adapter included with MILA Trocar Chest Tubes.

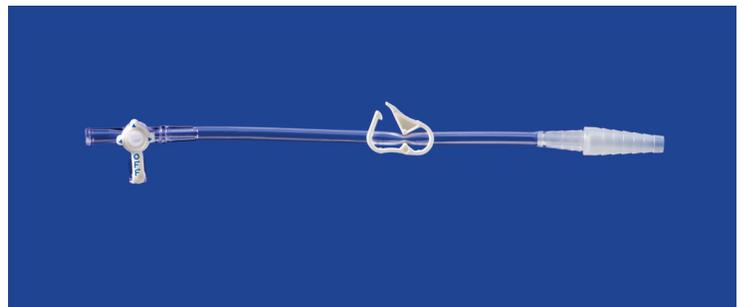
DESCRIPTION	ITEM #
Pillow style, 12cm (5in) pillow length	H2900
Semi-rigid cylinder style, 16cm (6.5in) cylinder length	H5300



Chest Tube Adapter with Stopcock

- Adapter includes a three-way stopcock, clamp, and barbed adapter
- Fits funnel hub chest tubes or those with an ID of 7mm to 11mm
- Can be used with a variety of tubes such as drains and nasogastric feeding tubes

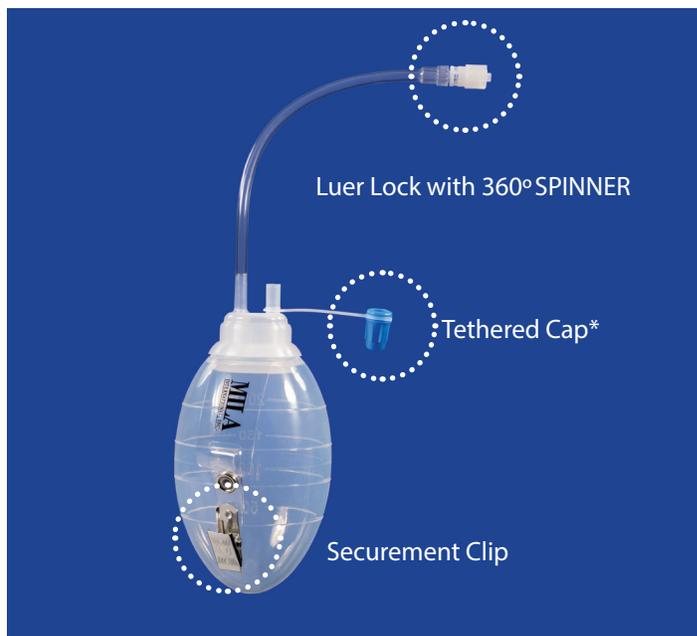
SIZE	LENGTH	ITEM #
16Fr	17cm (7in)	175420
20Fr	25cm (10in)	175425



Chest Tube Suction Bulb with 360° SPINNER

- 360° SPINNER luer lock adapter for secure attachment to MILA Guidewire-Inserted Chest Tube that resists twisting and kinking of the catheter during movement; avoids accidental disconnection
- Continuous gentle suction
- Add female luer lock barbed adapter (item #2350) for use with chest tubes with funnel hubs (other manufacturers)
- Internal anti-reflux valve to prevent back flow of fluid to the patient
- Volume markings provide easy measurement

DESCRIPTION	ITEM #
100mL suction bulb	CG100
150mL suction bulb	CG150
200mL suction bulb	CG200
400mL suction bulb	CG400*
Female luer lock barbed adapter fits funnel hub catheters and tubes with ID of 7mm to 10mm; Each individually packed and sterile (10 pack)	2350



* Item number CG400 has a push-on cap.



When the stasis valve is connected to the chest tube extension, the suction bulb can be safely removed without compromising the chest tube because the stasis valve is designed to remain closed until activated by a male luer, eliminating the need for a 3-way stopcock.

NOTE: To reduce the risk of contamination, do not reconnect the suction bulb if it becomes disconnected. If the stasis valve is disconnected from the chest tube extension, immediately clamp the extension and replace it with a new (sterile) stasis valve (item #8200 on page 27).

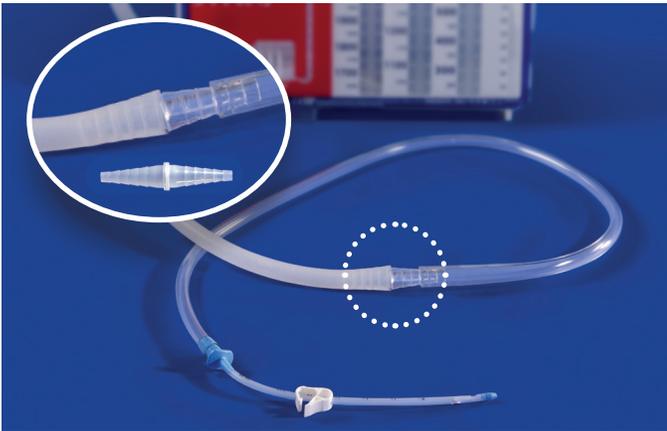
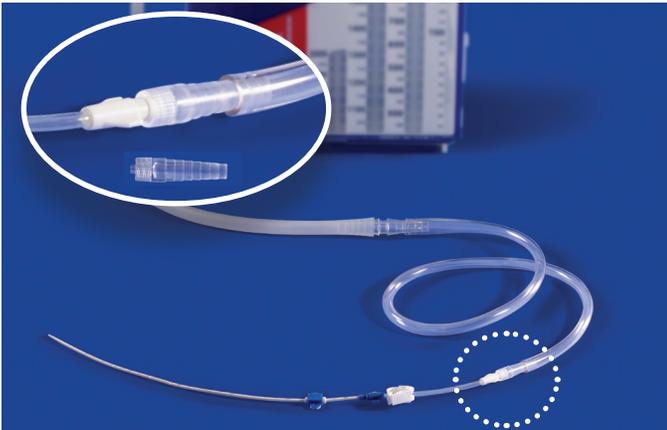
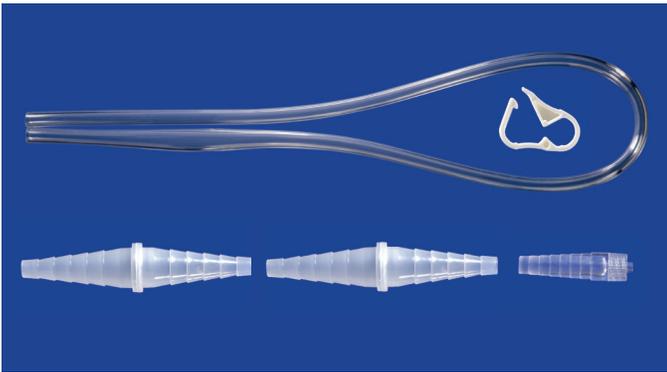
All MILA guidewire chest tube kits include a stasis valve.

Chest Tube Adapter for Suction Systems

Connect Luer Lock or Funnel Style Chest Tubes to your suction system

- Securely connect female luer lock or funnel style chest tubes to suction systems from other manufacturers (e.g. Pleur-evac® and Thora-Seal™)
- Contains three barbed adapters and bubble tubing that can be trimmed to fit the suction device

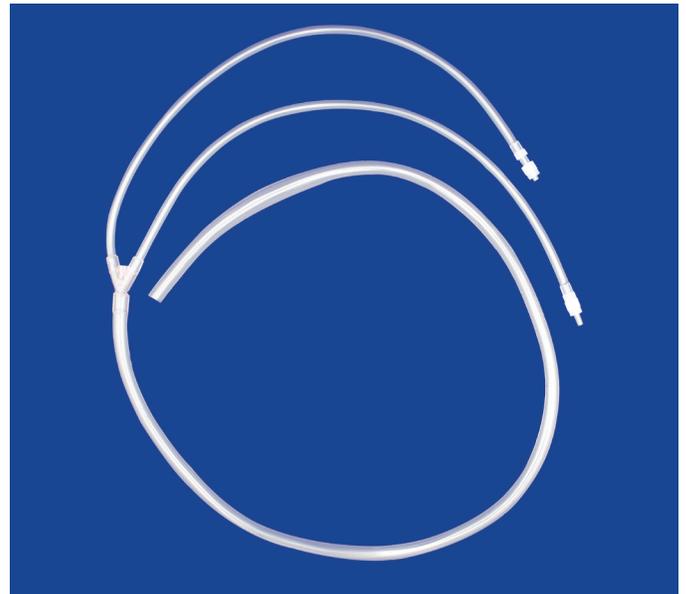
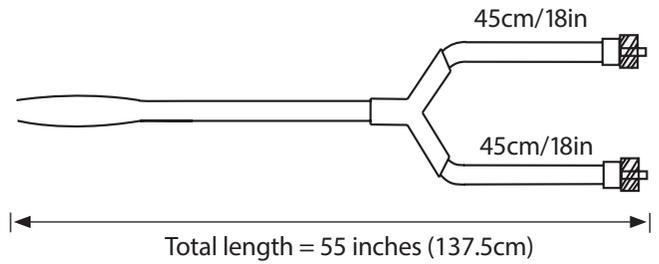
DESCRIPTION	ITEM #
Chest Tube Adapter	175380



Suction Connector for Bilateral Chest Tubes

- 20Fr Suction Set connects bilateral chest tubes to a single vacuum source
- Male luers attach directly to MILA Guidewire Chest Tubes
- Use female luer barbed adapters (item #2350 on page 124) for funnel hub chest tubes
- Bubble tubing can be cut to accommodate various suction systems and adapters

DESCRIPTION	ITEM #
20Fr Suction Set	175800

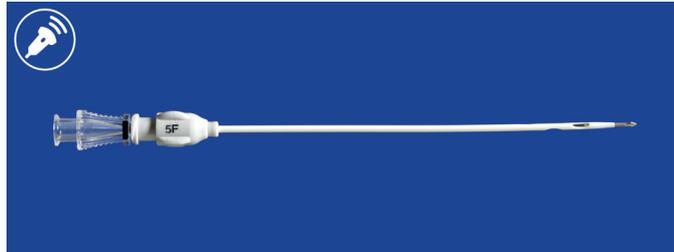


Echogenic Fenestrated Centesis Catheters

Great for tapping pericardial effusion in dogs

- Catheter-over-needle style with smooth transition from needle to catheter that aids in placement
- Three large fenestrations for maximum drainage and to minimize clogging
- Echogenic needle for enhanced visibility on ultrasound
- Easy-grip hub with bevel mark and female luer for secure connection to syringe or extension set

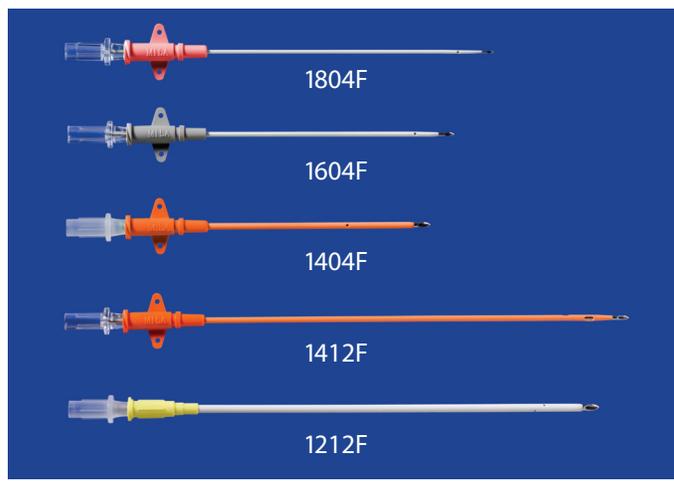
FRENCH	GAUGE	LENGTH	ITEM #
4Fr	18Ga	7cm (2.75in)	175042
4Fr	18Ga	10cm (4in)	175044
5Fr	16Ga	7cm (2.75in)	175052
5Fr	16Ga	10cm (4in)	175054
5Fr	16Ga	15cm (6in)	175056



Short-Term Fenestrated Centesis Catheters

- Catheter-over-needle style with smooth transition from needle to catheter, featuring additional fenestrations for improved infusion and aspiration
- Three fenestrations at the distal end; item #1212F has four fenestrations

SIZE	LENGTH	ITEM #
18Ga	9cm (3.5in)	1804F
16Ga	7.5cm (3in)	1604F
14Ga	9cm (3.5in)	1404F
14Ga	13cm (5.25in)	1412F
12Ga	13cm (5.25in)	1212F



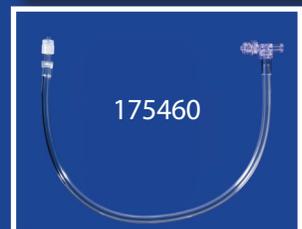
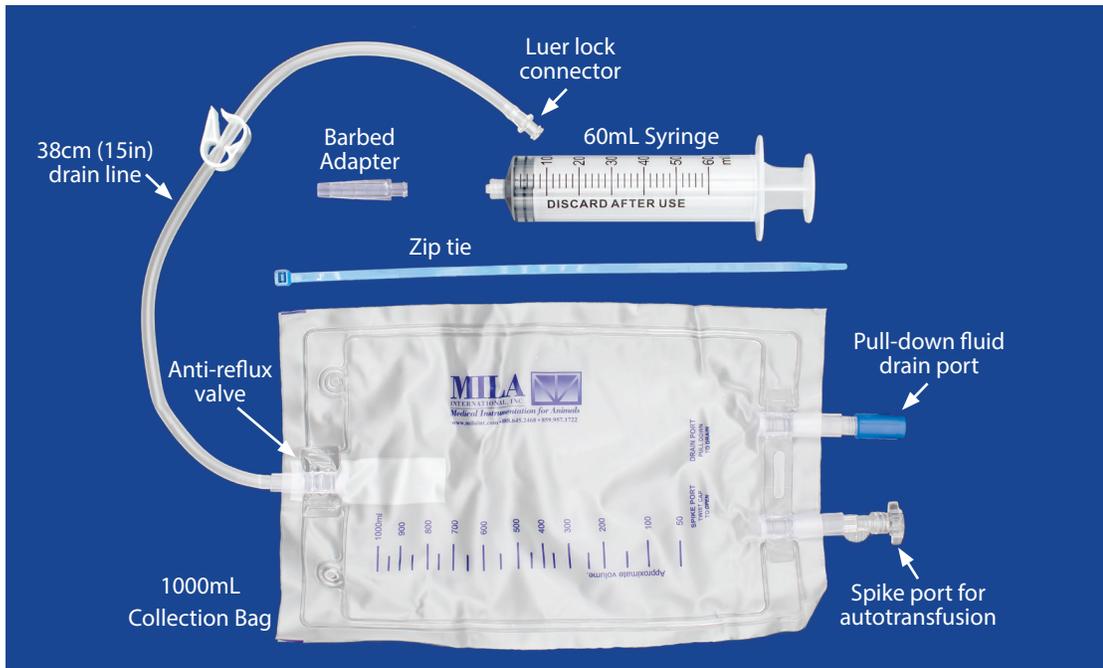
Centesis Collection Kits

**Pull out of the patient
and push into the bag.
That's it!**



- 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 to avoid risks associated with three-way stopcocks
- Use for chest tap, belly tap or anytime you want to remove a large volume of air or fluid
- See pages 116-117 for information on use for AUTOTRANSFUSION
- Collection Kits include:
 1. 1000mL collection bag with anti-reflux valve, 38cm/15in drain line with luer lock, pull-down drain port, and spike port for autotransfusion
 2. Centesis adapter
 3. Female luer lock barbed adapter included for connection to funnel hub tubes or those with an inner diameter of 8mm to 10mm that fits 20-40Fr flared tubes
 4. 60mL syringe
 5. Zip tie
- Centesis adapters also sold individually - see item numbers with "NB" below

TUBING LENGTH	ITEM #
N/A	175440
12cm (5in)	175450
40cm (16in)	175460

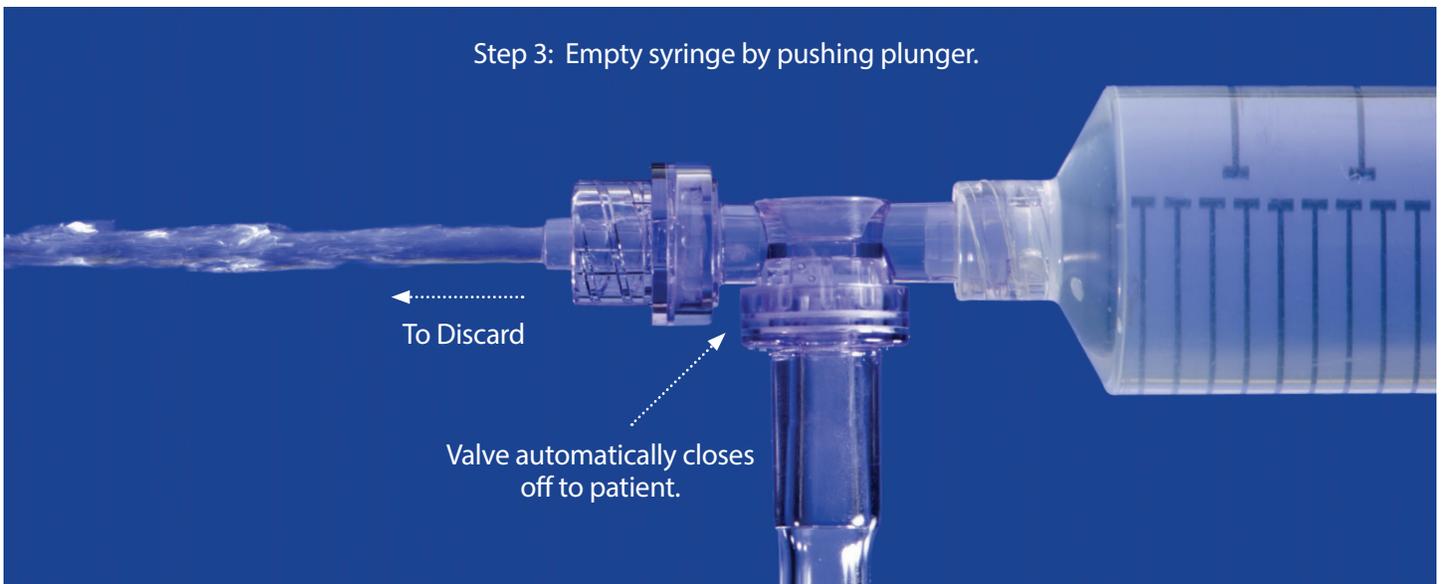
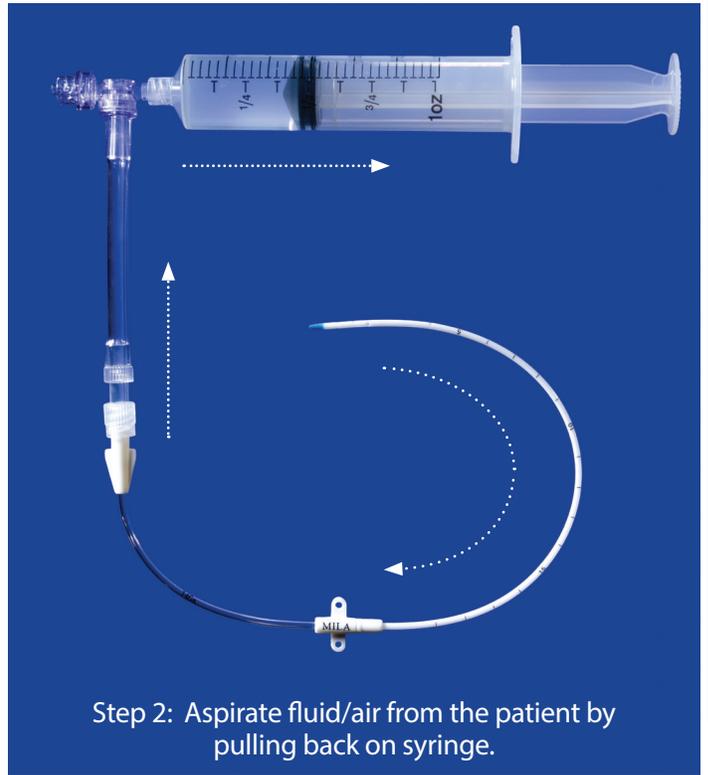
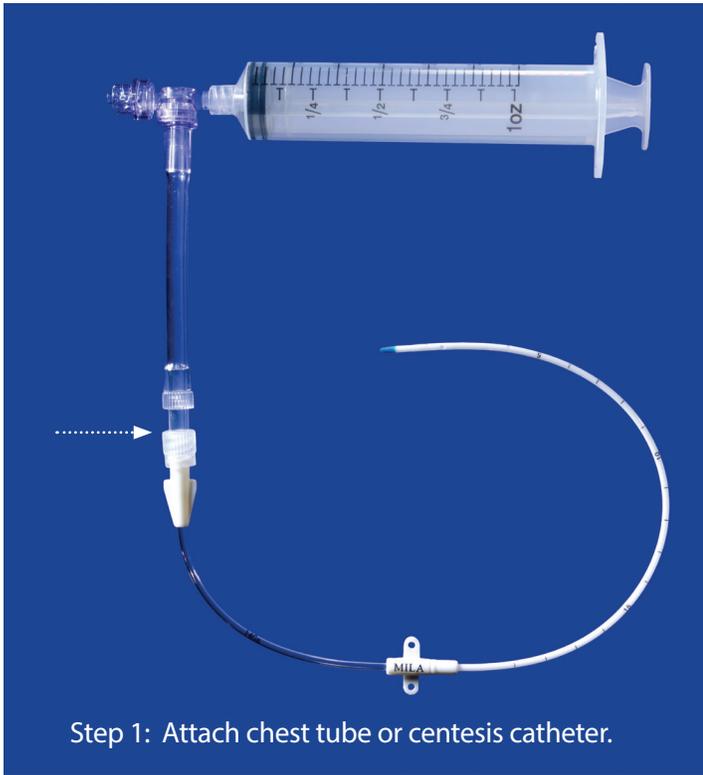


Centesis Adapters Adapter only

DESCRIPTION	ITEM #
Centesis Adapter with Spin Luer Lock	175440NB
Centesis Adapter with total Length 12cm (5in)	175450NB
Centesis Adapter with total Length 40cm (16in)	175460NB



How the Automatic 3-Way Works:



STIMPOD 450X for Nerve Location and Neuromuscular Block Monitoring

A nerve stimulation device designed to be used by a specifically trained anesthetist during:

GENERAL ANESTHESIA to establish efficacy of a neuromuscular blocking agent using noninvasive surface electrodes (not sold by MILA)

OR

REGIONAL ANESTHESIA for nerve mapping using the noninvasive mapping probe (sold separately) and/or nerve locating using invasive electrodes (not sold by MILA) or needles (sold separately)

STIMPOD (Item #NB-STIM):

- Adjustable current, pulse width, and twitch frequency
- Visual and audible feedback is given when the target current and pulse width ranges are reached indicating probable nerve proximity
- Displays real time waveforms of the currents delivered. Pause mode allows changing stimulus parameters without stimulating
- Non-linear current adjustment. User can pre-program 20 different current and pulse width settings

NERVE MAPPING PROBE (Item #NBMP):

- This cable is used to activate the Nerve Mapping/Locating mode on the STIMPOD
- The red (anode) connector is designed to clip on to a standard ECG electrode
- The ergonomically designed cutaneous Nerve Mapping Probe presents the user with a simple and reliable Nerve Mapping solution
- The 2mm needle connector will accommodate the stimulating needles on the next page or various other makes of needles

TRI-AXIAL ACCELEROMETER (Item #NBCA):

- 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
- The red (anode) and black (cathode) connectors are designed to clip onto a standard ECG electrode
- The accelerometer is designed to attach to the contracted appendage

CROCODILE CLIP (Item #NBCC):

- Provides non-adhesive ground
- Gently and securely clips to patient's skin

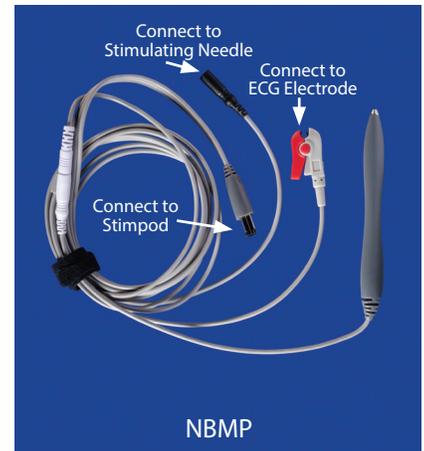
Items needed for BASIC NERVE STIMULATION:

- STIMPOD (Item #NB-STIM)
- Nerve Mapping Probe (Item #NBMP)
- Stimulating Needles (Item #NB2205, NB2108, or NB2110)

Crocodile Clip is also needed but is included with item #NBMP.



NB-STIM



NBMP



NBCA



NBCC

DESCRIPTION	ITEM #
Stimpod NMS450X Stimulator with Carry Case	NB-STIM
Nerve Location and Mapping Probe Cable (Crocodile Clip included)	NBMP
Tri-axial Accelerometer (Crocodile Clip included)	NBCA
Crocodile Clip for non-adhesive ground	NBCC

Stimulating Echogenic Needles

Stimulating echogenic 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
- Port to administer local anesthetic with a syringe
- 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 precise depth placement

SIZE	LENGTH	ITEM #
22Ga	5cm (2in)	NB2205
21Ga	8cm (3.1in)	NB2108
21Ga	10cm (4in)	NB2110



Echogenic Needles for Ultrasound

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

NERVE BLOCK NEEDLES

- For locoregional anesthesia
- Clear needle tip visualization under ultrasound for safe and precise needle placement
- Needle bevel is 30° back-cut

SIZE	LENGTH	ITEM #
21Ga	8cm (3.125in)	E2103
21Ga	10cm (4in)	E2104



MSK/SPINAL NEEDLES

- Use for musculoskeletal and spinal injections
- Clear needle tip visualization under ultrasound for safe and precise needle placement
- Quincke style needle bevel designed for dural punctures

SIZE	LENGTH	ITEM #
20Ga	20cm (8in)	E2008
18Ga	20cm (8in)	E1808



Surgical Drain

Jackson Pratt Drain with Trocar

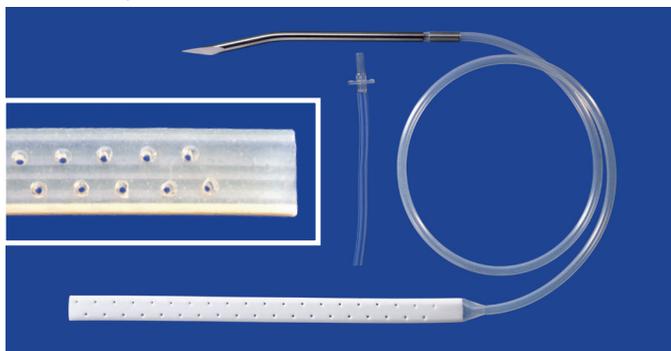
Reduce risk of infection,
Try with *MILA Guardian™*



- Silicone radiopaque drain with full-length fenestrations
- Length of drain area is 20cm (8in), overall length is 80cm (32in)
- Item #JP4 includes an adapter to connect to a suction grenade; all other sizes can connect directly to suction grenade
- Length adjustable - both ends can be cut

DRAIN	TROCAR	ITEM #
4.5mm	8Fr (2.7mm)	JP4*
7mm	15Fr (5.0mm)	JP7
10mm	15Fr (5.0mm)	JP10
13mm	16Fr (5.3mm)	JP13

Select a suction grenade (next page) to complete the CLOSED system.
*Includes adapter



Surgical Drain

Spiral Drain with Trocar

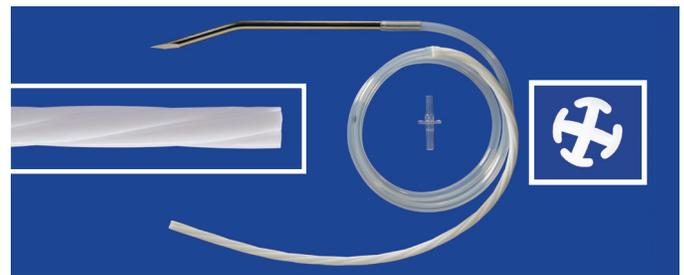
Reduce risk of infection,
Try with *MILA Guardian™*



- Design of drain allows for maximum drainage while taking up less space than other drains
- Silicone, radiopaque, round, spiral fluted drain
- Length of spiral drain area is 30cm (12in), overall length is 90cm (36in)
- All sizes include a double luer adapter for connecting the drain to a suction grenade; item numbers SP07 and SP10 also include tubing with the adapter
- Length adjustable - both ends can be cut

DRAIN	TROCAR	ITEM #
7Fr (2.4mm)	8Fr (2.5mm)	SP07
10Fr (3.2mm)	11Fr (3.5mm)	SP10
12Fr (4.0mm)	12Fr (4.0mm)	SP12
15Fr (5.0mm)	15Fr (5.0mm)	SP15
19Fr (6.3mm)	19Fr (6.3mm)	SP19

Select a suction grenade (next page) to complete the CLOSED system.



Surgical Drain

Blake Drain with Trocar

Reduce risk of infection,
Try with *MILA Guardian™*

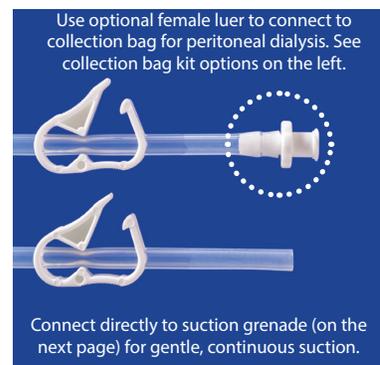
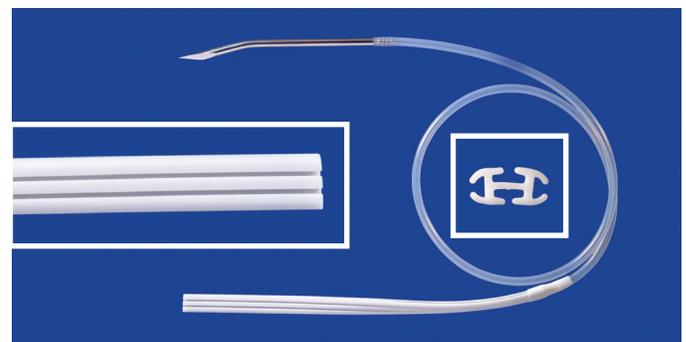


- Design of drain allows fluid to move through channels; the only suction is at the proximal end of the channels, so OMENTUM DOES NOT STICK
- Silicone radiopaque fluted drain
- Length of drain area is 20cm (8in), overall length is 80cm (32in)
- Ideal for peritoneal dialysis - see collection bag kits below
- Length adjustable - both ends can be cut

DRAIN	TROCAR	ITEM #
8mm	16Fr (5.3mm)	BL8
11mm	16Fr (5.3mm)	BL11

Select a suction grenade to on the next page for continuous suction or select one of the collection bag kits below for passive drainage (e.g. peritoneal dialysis).

DESCRIPTION	ITEM #
600mL Collection Bag Kit	UC600K
1000mL Collection Bag Kit	UC1000K



Surgical Suction Grenade

- Low-pressure design provides continuous gentle suction and minimizes tissue trauma
- Push the proximal end of any MILA surgical drain onto the bulb port, squeeze to remove air, and replace the cap to create a closed collection system
- Attach to any drain - Blake, Jackson Pratt, and Spiral
- Luer lock cap for secure closure and syringe emptying on the 100, 150, and 200mL; 400mL has a push-on cap
- Volume markings for easy measurement
- Internal anti-reflux valve to prevent backflow of fluid to the patient
- Metal clip for secure attachment

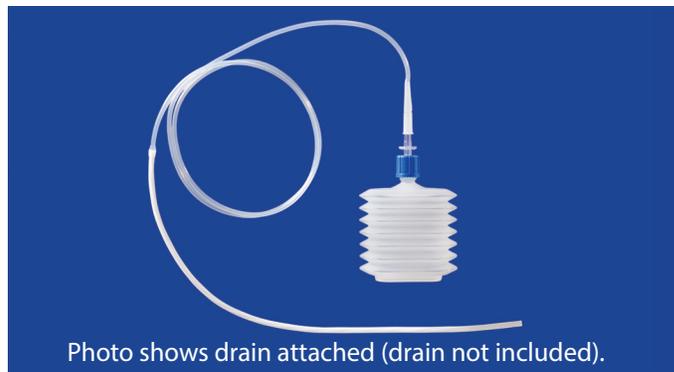
DESCRIPTION	ITEM #
100mL	G100
150mL	G150
200mL	G200
400mL	G400



Mini Bellows Suction System, 50mL

- Squeeze the air out of the bellow and attach to the drain; recoil of the bellow creates suction
- 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

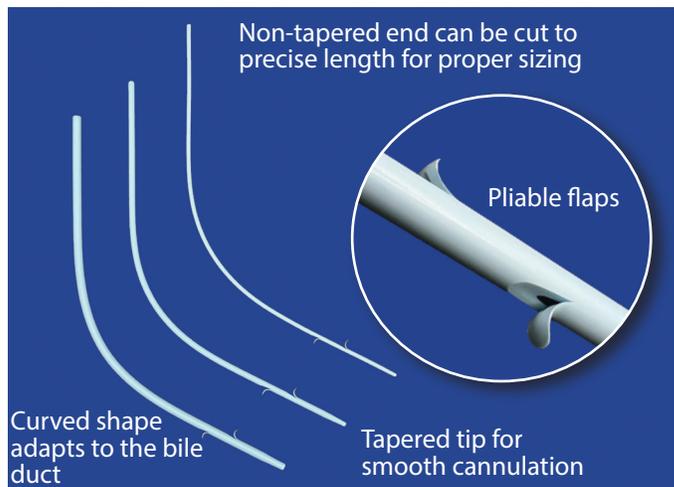
DESCRIPTION	ITEM #
50mL Mini Bellows Suction System	G050



MILA Biliary Stent

- Flaps reduce risk of migration but are pliable enough for removal via manual or endoscopic traction
- PEBAX material provides rigidity required for placement and pliability for natural positioning
- Radiopaque material enhances fluoroscopic visibility

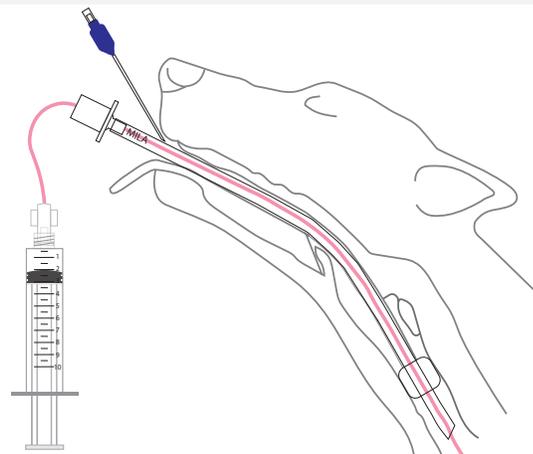
SIZE	LENGTH	ITEM #
5Fr	15cm (6in)	BS515
7Fr	15cm (6in)	BS715
10Fr	15cm (6in)	BS1015



Tracheal Wash & Bronchoalveolar Lavage (BAL) – Small Animal

Blind Method (Tube through Sterile Endotracheal Tube)

- Radiopaque
- 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 using the SC15MM



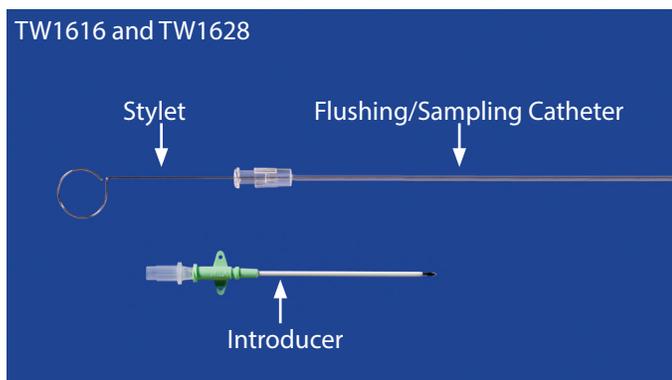
*Sterile Endotracheal Tubes on pages 82-83.



ET TUBE ID	ET TUBE LENGTH	MILA ET TUBE	ITEM #	SIZE	LENGTH	ITEM #
2.0mm	< 16.5cm	ETC20	use sampling catheter:	3.5Fr	40cm (16in)	PP316
2.5-4.5mm	< 27cm	ETC25R-ETC45R	use sampling catheter:	5Fr	40cm (16in)	PP516
5.0-10.0mm	< 38.5cm	ETC50R-ETC100R	use sampling catheter:	8Fr	55cm (22in)	PP822
10.0-11.0mm	< 57.5cm	ETC1055, ETC1155	use sampling catheter:	8Fr	108cm (42in)	PP842
Double Swivel ET Tube Adapter	*****Fits all endotracheal tubes with 15mm connectors*****					SC15MM

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 aseptic handling (sterile gloves not required.)

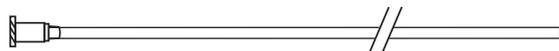


MEDIUM/LARGE DOGS

SIZE	LENGTH	INTRODUCER	ITEM #
16Ga	41cm (16in)	14Ga	TW1616
16Ga	70cm (28in)	14Ga	TW1628

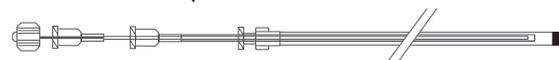
Endoscopic Guided BAL: Small and Large Animal

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



OD	LENGTH	SCOPE CHANNEL SIZE	ITEM #
2.3mm	190cm (76in)	2.5mm	EDC190
1.8mm	200cm (79in)	2.0mm	EDC200
2.3mm	220cm (88in)	2.5mm	EDC220
2.3mm	400cm (160in)	2.5mm	EDC400

Two and three lumen sampling catheters enable a sterile specimen retrieval via an endoscope. To maintain sterility during placement, the outer catheter has a glycol plug in the tip. Once in place, the inner catheter is advanced, pushing out the glycol plug, then further advanced for retrieval of the sterile specimen.



TWO STAGE CATHETERS

OD	LENGTH	SCOPE CHANNEL SIZE	ITEM #
1.8mm	190cm (76in)	2.0mm	EMAC700
1.8mm	250cm (100in)	2.0mm	EMAC700L

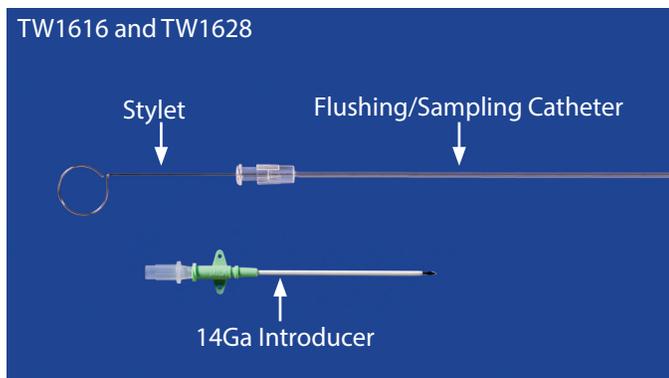
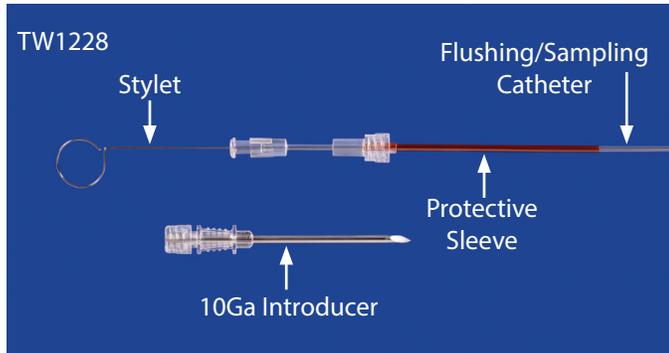
TRIPLE STAGE CATHETERS

OD	LENGTH	SCOPE CHANNEL SIZE	ITEM #
2.3mm	190cm (76in)	2.5mm	EMAC800

Tracheal Wash & Bronchoalveolar Lavage (BAL) – Large Animal

Transtracheal Technique: Large Dogs, Neonate Foals, Horses

Catheter-over-needle insertion method for direct puncture 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 aseptic handling (sterile gloves not required.)



HORSES/FOALS

SIZE	LENGTH	INTRODUCER	ITEM #
12Ga	70cm (28in)	10Ga	TW1228

NEONATE FOALS/LARGE DOGS

SIZE	LENGTH	INTRODUCER	ITEM #
16Ga	70cm (28in)	14Ga	TW1628

Bronchoalveolar Lavage (BAL)

- Open-end, silicone, radiopaque, heavy wall tube for lavage via the nasotracheal route
- Distal 30mL balloon cuff can be inflated to prevent retrograde fluid flow around the tube and help stabilize placement
- Both aspiration and irrigation syringes can be attached to the stopcock at the same time (one stopcock included)
- Sterilization with EO gas is recommended for reuse - replacement 3-way stopcock (item #2400) is required



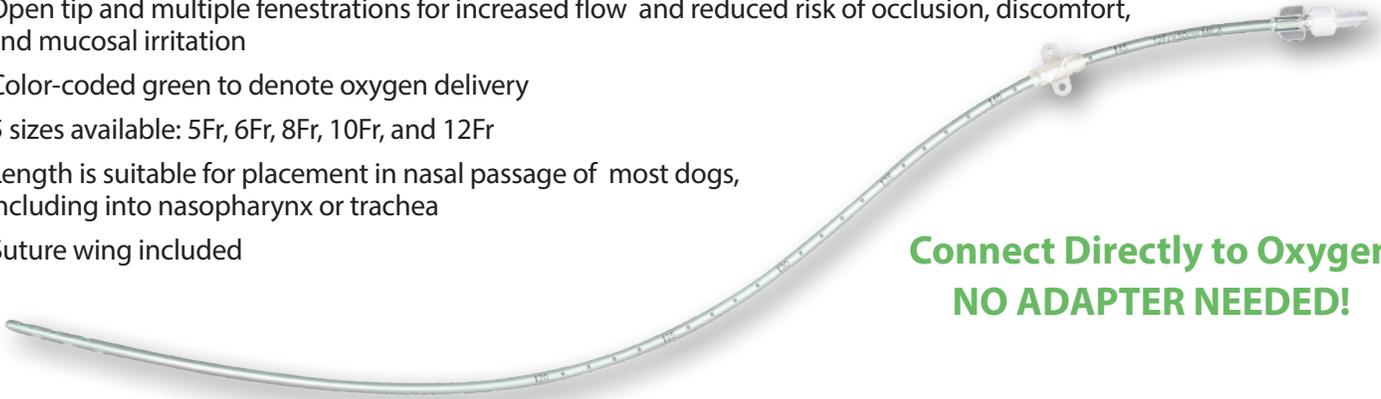
SIZE	OD	ID	LENGTH	ITEM #
24Fr	8mm	2.5mm	200cm (79in)	BAL200
30Fr	10mm	2.5mm	240cm (96in)	BAL240
30Fr	10mm	2.5mm	300cm (120in)	BAL300
Replacement Stopcock (10 pack) RECOMMENDED				2400
Controlled Flushing Set - to administer flush aliquots from a IV bag rather than multiple syringes. - see page 112				CFS36

Nasal Oxygen Catheters

NEW!

Efficient, DIRECT oxygen delivery without the hassle.

- Kink-resistant polyurethane tube with radiopaque stripe and centimeter measurement markings
- Open tip and multiple fenestrations for increased flow and reduced risk of occlusion, discomfort, and mucosal irritation
- Color-coded green to denote oxygen delivery
- 5 sizes available: 5Fr, 6Fr, 8Fr, 10Fr, and 12Fr
- Length is suitable for placement in nasal passage of most dogs, including into nasopharynx or trachea
- Suture wing included



**Connect Directly to Oxygen
NO ADAPTER NEEDED!**

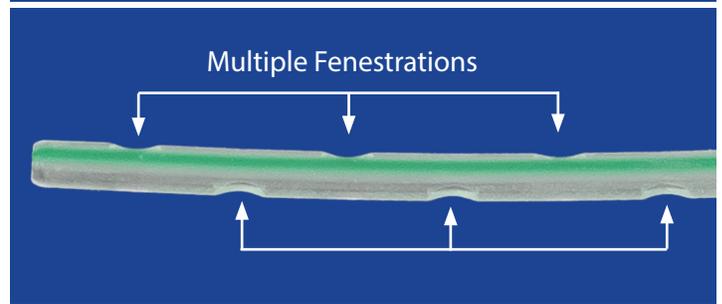
SIZE	LENGTH	ITEM #
5Fr	40cm (16in)	OC516
6Fr	40cm (16in)	OC616
8Fr	50cm (20in)	OC820
10Fr	50cm (20in)	OC1020
12Fr	50cm (20in)	OC1220



The catheter has a wide-bore, high flow barbed connector fits standard oxygen line



The nasal oxygen catheter is made of a soft, polyurethane material that is more comfortable for the patient.



Multiple Fenestrations

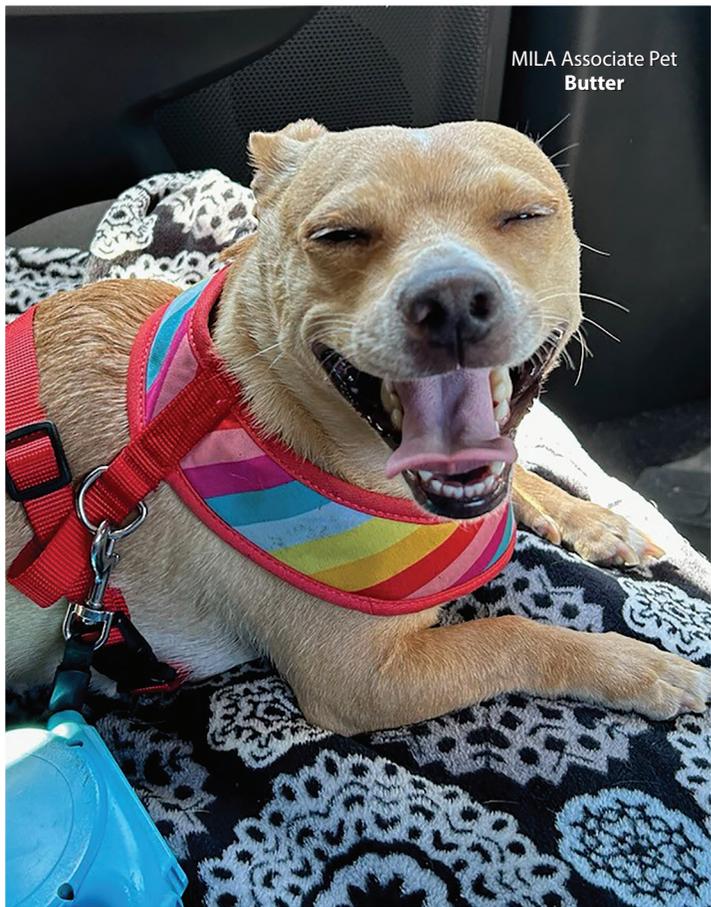


Radiopaque Stripe

Open tip



MILA Associate Pet
Judy



MILA Associate Pet
Butter



MILA Associate Pet
Samson



MILA Associate Pet
Marley

Non-Cuffed Endotracheal Tubes

- Silicone material - MRI compatible
- Radiopaque
- Wire stylet included
- Sterile
- Reusable (Ethylene Oxide sterilization recommended)

ID	OD	LENGTH	ITEM #
1.0mm	1.5mm	10cm	ETN10
1.5mm	2.0mm	10cm	ETN15



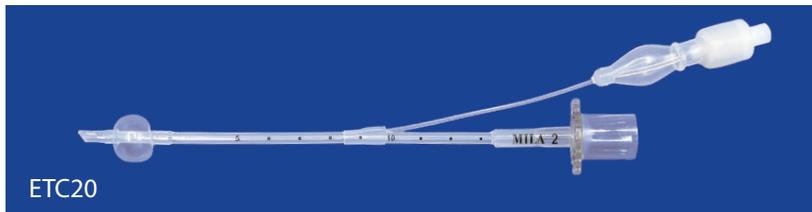
Proximal fitting accepts a 15mm adapter.

Cuffed Endotracheal Tubes

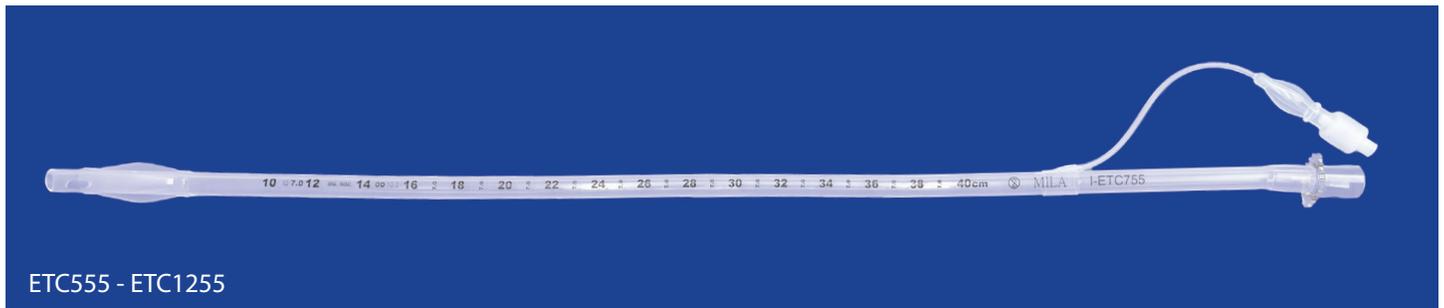


- Silicone material - MRI compatible
- Sterile
- Reusable (Ethylene Oxide sterilization recommended)

ID	OD	SIZE	LENGTH	ITEM #
2.0mm	4.0mm	12Fr	14cm (5.5in)	ETC20
5.0mm	7.3mm	22Fr	55cm (22.5in)	ETC555
6.0mm	8.7mm	26Fr	55cm (22.5in)	ETC655
7.0mm	10.0mm	30Fr	55cm (22.5in)	ETC755
8.0mm	11.3mm	34Fr	55cm (22.5in)	ETC855
9.0mm	12.7mm	38Fr	55cm (22.5in)	ETC955
10.0mm	14.0mm	42Fr	55cm (22.5in)	ETC1055
11.0mm	15.7mm	47Fr	55cm (22.5in)	ETC1155
12.0mm	17.0mm	51Fr	55cm (22.5in)	ETC1255



ETC20

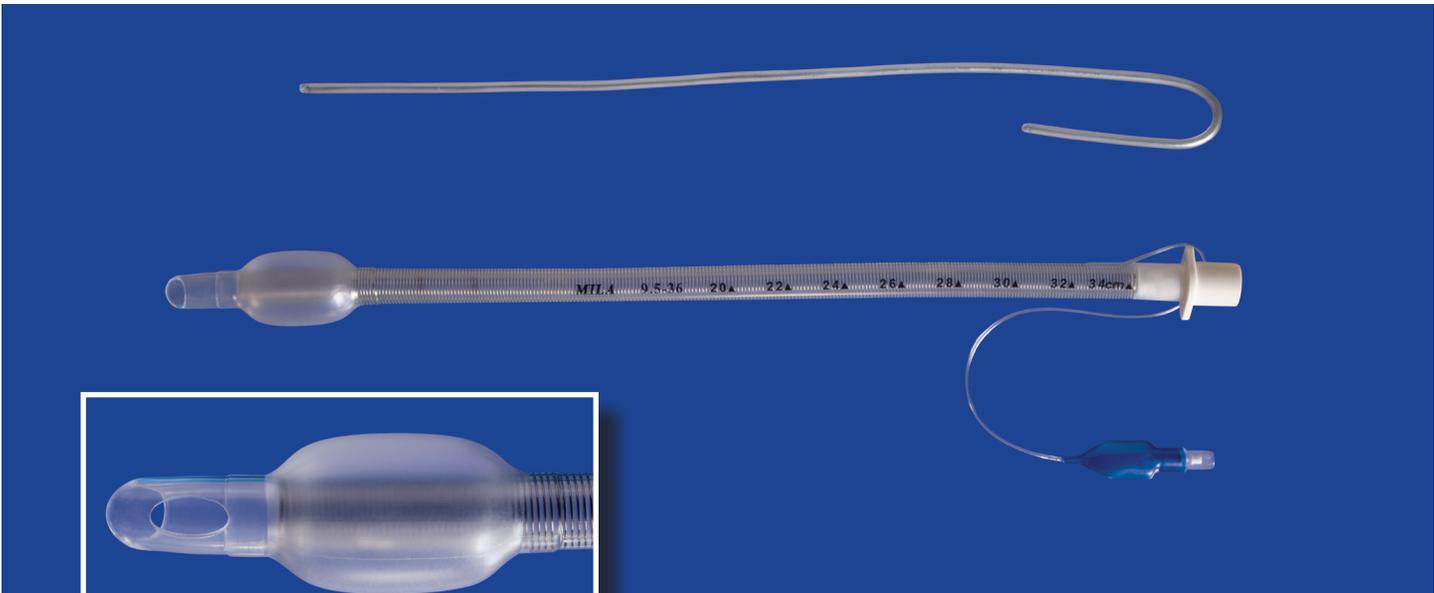


ETC555 - ETC1255

Cuffed 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 for easier placement
- 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
- All sizes include universal 15mm connector
- Reusable (Ethylene Oxide sterilization recommended)

ID	OD	SIZE	LENGTH	ITEM #
2.5mm	4.5mm	13Fr	19.5cm (7.7in)	ETC25R
3.0mm	5.0mm	15Fr	20.5cm (8.1in)	ETC30R
3.5mm	5.7mm	17Fr	22cm (8.7in)	ETC35R
4.0mm	6.1mm	18Fr	23.5cm (9.3in)	ETC40R
4.5mm	6.7mm	20Fr	24.5cm (9.6in)	ETC45R
5.0mm	7.4mm	22Fr	26cm (10.2in)	ETC50R
5.5mm	7.9mm	24Fr	27.5cm (10.8in)	ETC55R
6.0mm	8.5mm	25Fr	30cm (11.8in)	ETC60R
6.5mm	9.1mm	27Fr	31cm (12.2in)	ETC65R
7.0mm	9.5mm	28Fr	32cm (12.6in)	ETC70R
7.5mm	10.2mm	31Fr	36cm (14.2in)	ETC75R
8.0mm	11.0mm	33Fr	36cm (14.2in)	ETC80R
8.5mm	11.7mm	35Fr	36cm (14.2in)	ETC85R
9.0mm	12.3mm	37Fr	36cm (14.2in)	ETC90R
9.5mm	13.0mm	39Fr	36cm (14.2in)	ETC95R
10.0mm	13.7mm	41Fr	36cm (14.2in)	ETC100R

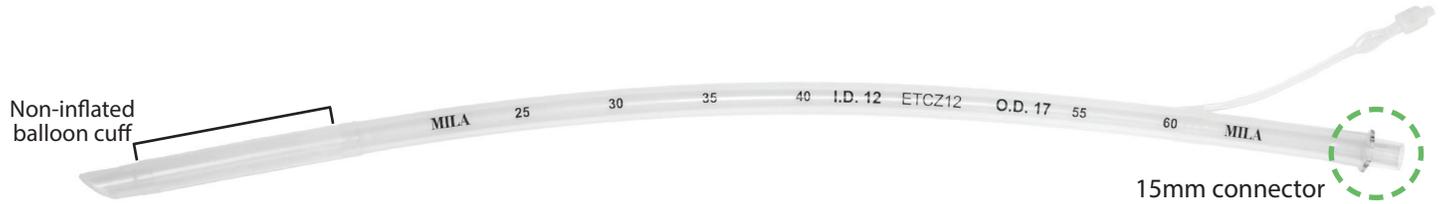


EXTRA LONG Silicone Cuffed Endotracheal/Nasotracheal Tubes with 15mm Connector

The MILA Cuffed Silicone Endotracheal Tubes are appropriate for both oral and nasal intubation. The inflated balloon cuff creates a seal for pressurized assisted ventilation.

- Medical grade, transparent silicone
- Murphy eye with beveled radiopaque tip
- Reinforced seal around balloon pilot lines for increased durability
- Reusable (Ethylene Oxide sterilization recommended)
- Non-sterile
- All sizes include universal 15mm connector

Ideal for nasotracheal intubation in equids and smaller camelids



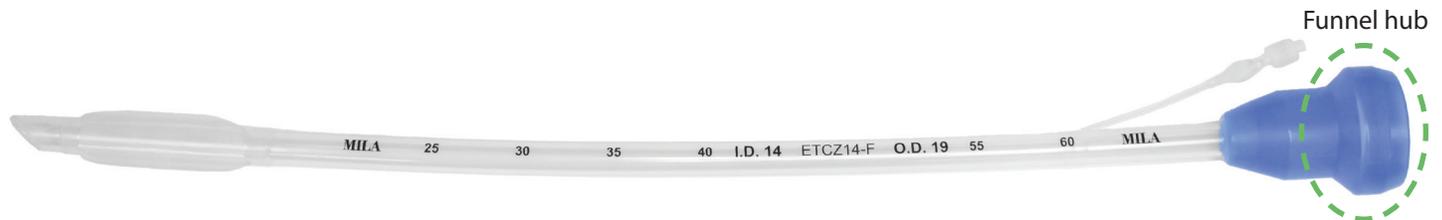
ID	OD	SIZE	LENGTH	ITEM #
7mm	12mm	36Fr	70cm (27.5in)	ETCZ-7
9mm	14mm	42Fr	70cm (27.5in)	ETCZ-9
11mm	16mm	48Fr	70cm (27.5in)	ETCZ-11
12mm	17mm	51Fr	70cm (27.5in)	ETCZ-12
14mm	19mm	57Fr	70cm (27.5in)	ETCZ-14

EXTRA LONG Silicone Cuffed Endotracheal/Nasotracheal Tubes with Funnel Hub

The MILA Cuffed Silicone Endotracheal Tubes are appropriate for both oral and nasal intubation. The inflated balloon cuff creates a seal for pressurized assisted ventilation.

- Medical grade, transparent silicone
- Murphy eye with beveled radiopaque tip
- Reinforced seal around balloon pilot lines for increased durability
- Reusable (Ethylene Oxide sterilization recommended)
- Non-sterile
- Silicone funnel type hub designed to fit most large animal breathing systems

Ideal for nasotracheal intubation in equids and smaller camelids



ID	OD	SIZE	LENGTH	ITEM #
12mm	17mm	51Fr	70cm (27.5in)	ETCZ-12-F
14mm	19mm	57Fr	70cm (27.5in)	ETCZ-14-F

ET Tube Sizing Chart

Nasal Intubation

Patient Weight (kg)	ETT Size (mm ID)	ETT Length (cm)	Species Examples	MILA Item Number
40-50	7	70	Neonatal Foal	ETCZ-7
50-90	9	70	Foal	ETCZ-9
90-110	11	70	Foal	ETCZ-11
110-180	12	70	Foal	ETCZ-12/ETCZ-12-F
180-250	14	70	Equids	ETCZ-14/ETCZ-14-F

Oral Intubation

Patient Weight (kg)	ETT Size (mm ID)	ETT Length (cm)	Species Examples	MILA Item Number
20-40	7	70	Mini-horse foal, pony foal	ETCZ-7
<30 kg	7	70	Domestic Bovine Calf, Goats, Sheep	ETCZ-7
30-40	9	70	Domestic Bovine Calf, Goats, Sheep	ETCZ-9
40-50	9	70	Mini-horse foal, pony foal, foal	ETCZ-9
40-60	11	70	Domestic Bovine Calf, Goats, Sheep	ETCZ-11
50-60	11	70	Mini-horse, pony, foal	ETCZ-11
60-70	12	70	Mini-horse, pony, foal	ETCZ-12/ETCZ-12-F
60-100	12	70	Domestic Bovine Calf, Goats, Sheep	ETCZ-12/ETCZ-12-F
80-125	14	70	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	ETCZ-14/ETCZ-14-F
100-150	14	70	Domestic Bovine Calf, Goats, Sheep	ETCZ-14/ETCZ-14-F



Large Animal Cuffed Silicone Endotracheal Tubes with Distal End Sample Port

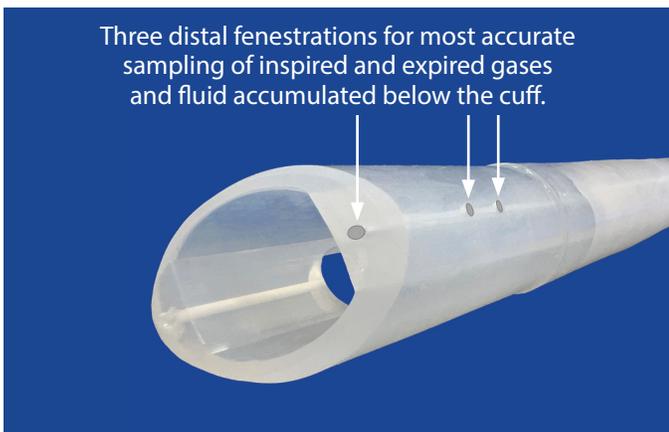
The MILA Cuffed Silicone Endotracheal Tubes are used to deliver assisted ventilation and anesthetic gases. The inflated balloon cuff creates a seal for pressurized assisted ventilation. The sampling port provides access below the cuff for more accurate measurement of inhaled and exhaled gas concentrations when connected to a gas analyzer. See photo below.

- Medical grade, transparent silicone
- Funnel hub designed to fit most large animal breathing systems
- Murphy eye and beveled, radiopaque tip
- Reinforced seal around sampling and pilot lines for increased durability
- Three sampling points below the cuff
- Tethered cap included on sampling port to keep clean and free of debris when not in use
- Non-sterile
- Reusable (Ethylene Oxide sterilization recommended)

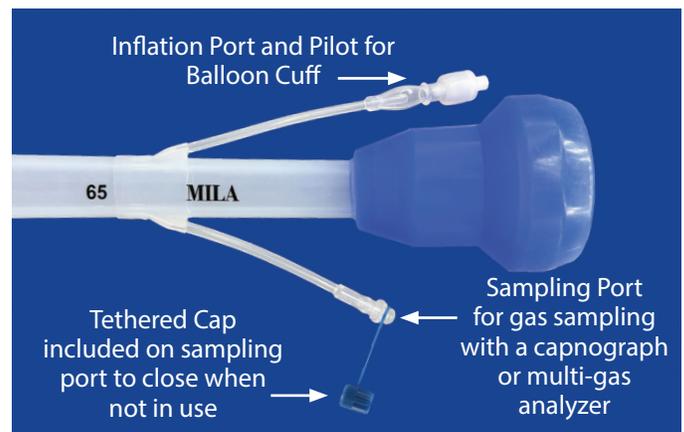


Funnel Hub designed to connect best to Wye adapters

ID	OD	LENGTH	ITEM #
16mm	22mm	70cm (27.5in)	LAET16
18mm	24mm	75cm (29.5in)	LAET18
20mm	26mm	90cm (35.4in)	LAET20
22mm	30mm	90cm (35.4in)	LAET22
24mm	32mm	100cm (39.4in)	LAET24
26mm	35mm	100cm (39.4in)	LAET26
28mm	39mm	100cm (39.4in)	LAET28
30mm	42mm	100cm (39.4in)	LAET30



Three distal fenestrations for most accurate sampling of inspired and expired gases and fluid accumulated below the cuff.



Inflation Port and Pilot for Balloon Cuff
 Sampling Port for gas sampling with a capnograph or multi-gas analyzer
 Tethered Cap included on sampling port to close when not in use

ET Tube Sizing Chart

Nasal Intubation

Patient Weight (kg)	ETT Size (mm ID)	ETT Length (cm)	Species Examples	MILA Item Number
250-350	16	70	Equids	LAET16
350-450	18	75	Equids	LAET18
450-600	20	90	Equids	LAET20
600-800	22	90	Equids	LAET22
> 800	24	100	Equids	LAET24

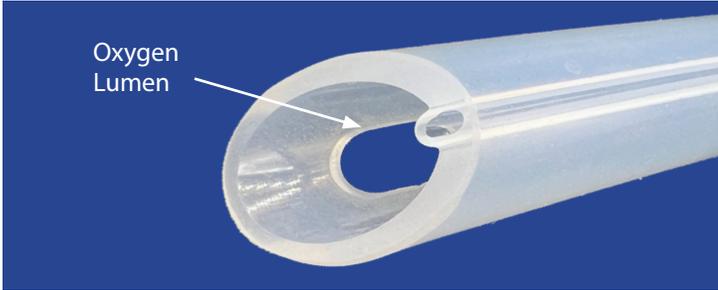
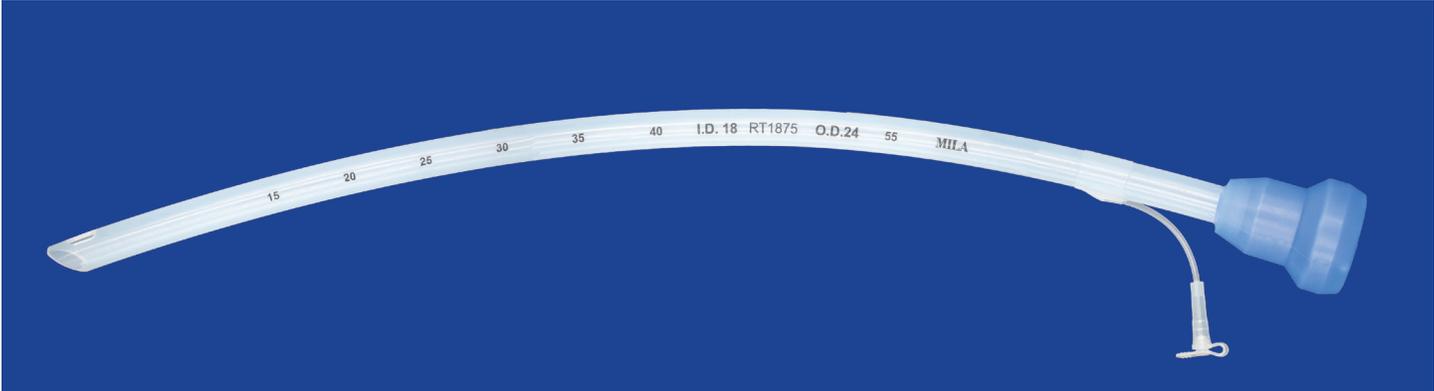
Oral Intubation

Patient Weight (kg)	ETT Size (mm ID)	ETT Length (cm)	Species Examples	MILA Item Number
125-150	16	70	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET16
150-180	16	70	Domestic Bovine	LAET16
150-200	18	75	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET18
180-200	18	75	Domestic Bovine	LAET18
200-300	20	90	Domestic Bovine, Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET20
300-400	22	90	Domestic Bovine, Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET22
400-500	24	100	Domestic Bovine	LAET24
400-550	24	100	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET24
500-600	26	100	Domestic Bovine	LAET26
550-700	26	100	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET26
600-800	28	100	Domestic Bovine	LAET28
700-800	28	100	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET28
800-1000	30	100	Domestic Bovine	LAET30
800-1200	30	100	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET30
>1000	35	160	Domestic Bovine	LAET35
> 1200	35	160	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	LAET35

Large Animal Non-Cuffed Silicone RECOVERY TUBE Dual Lumen for OXYGEN

- Designed to provide supplemental oxygen to prevent or treat hypoxia during post-anesthesia recovery
- Full range of sizes for all equids
- Cuffless, dual lumen tube with side port to attach oxygen gas line; directs oxygen to the tip of the tube
- Murphy eye and beveled, radiopaque tip
- Reinforced seal around oxygen line for increased durability
- Funnel type silicone hub designed to fit most large animal breathing systems
- Non-sterile
- Reusable (Cold sterilization or Ethylene Oxide sterilization recommended)

ID	OD	LENGTH	OXYGEN LUMEN	ITEM #
11mm	16mm	60cm (27.5in)	8Fr	RT1160
14mm	19mm	60cm (29.5in)	8Fr	RT1460
16mm	22mm	70cm (35.4in)	8Fr	RT1670
18mm	24mm	75cm (35.4in)	8Fr	RT1875
20mm	26mm	80cm (39.4in)	12Fr	RT2080



Side port accepts a variety of barbed adapters. Shown here with MILA adapter #2320 (page 124)

Photo courtesy of University of Pennsylvania, SVM

Recovery Tube Sizing Chart

Patient Weight (kg)	Size (mm ID)	Length (cm)	Species Examples	MILA Item Number
125-250	11	60	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	RT1160
150-350	14	60	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	RT1460
350-500	16	70	Equids (Horses, Donkeys, Ponies, Mules, Zebras)	RT1670
500-700	18	75	Horses	RT1875
> 700	20	80	Horses	RT2080
> 900 (may place one tube in each nostril)	20	80	Draft Horses	RT2080



Low Dead Space Endotracheal Tube Adapter with Luer Sampling Port

- 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

ID	ITEM #
2.5mm	ETA25
3.0mm	ETA30
3.5mm	ETA35
4.0mm	ETA40
5.0mm	ETA50



Double Swivel Endotracheal Tube Connector with Capped Port

Multi-axial rotation allows for patient adjustment and manipulation with reduced risk of ET tube movement while maintaining ventilation.

- Integrated access port for bronchoscopy, BAL, and suction without circuit disconnection
- 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

DESCRIPTION

Double Swivel ET Tube Adapter

ITEM #

SC15MM



Atomizer/Throat Sprayer

Use to deliver atomized topical anesthetic into the upper airway to reduce sensation and reflexes that can be triggered by intubation, endoscopy, etc.

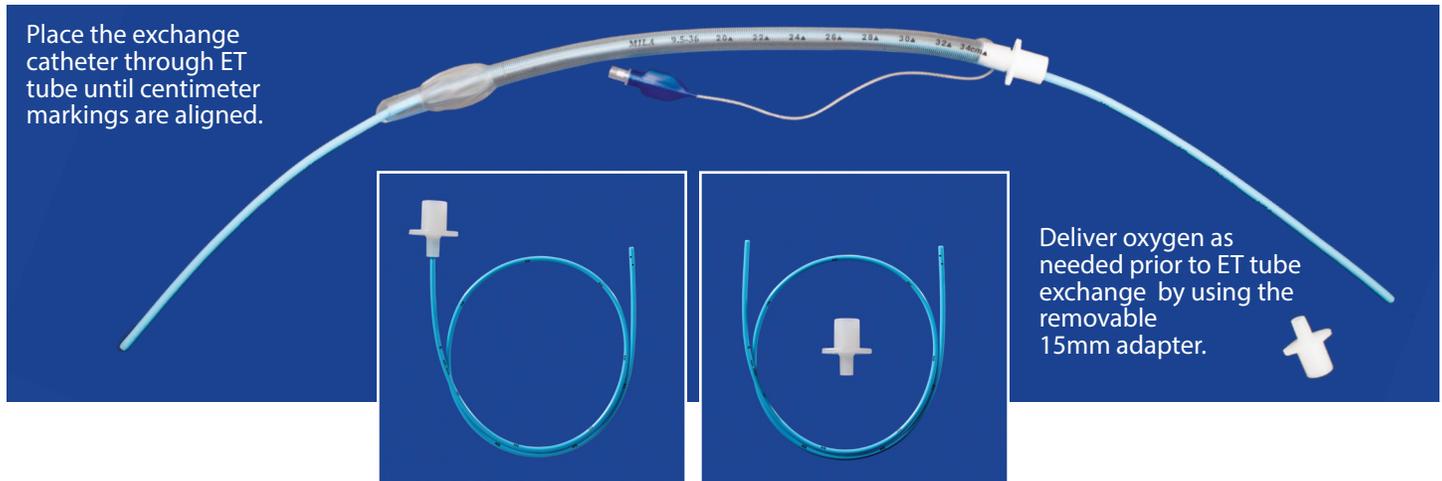
- Malleable, wire-reinforced tube for targeted deposition of medication
- Use a 3mL syringe for a minimum forecast distance of 10cm upon exiting the sprayer tip under 25Kpa pressure to form an area of diameter of no less than 7cm



TIP SIZE	LENGTH	PRIMING VOLUME	ITEM #
15Fr (4.7mm)	15cm (6.5in)	0.2mL	5380

Airway/ET Tube Exchange Catheter

- For easier, atraumatic endotracheal tube exchange
- Useful for oxygenating during fluoroscopy - **not for ventilating the patient**
- 15mm adapter allows oxygen to be delivered temporarily - the adapter is removed in order to slide out the existing endotracheal tube and slide in the replacement tube
- Centimeter markings for alignment with endotracheal tube markings
- Polished, atraumatic, open-ended catheter with side-holes



SIZE	LENGTH	FITS TUBE SIZES (ID)	ITEM #
8Fr	80cm (32in)	larger than 3.0mm	ETE0880
10Fr	80cm (32in)	larger than 4.0mm	ETE1080
10Fr	150cm (60in)	larger than 4.0mm	ETE10150
15Fr	80cm (32in)	larger than 6.0mm	ETE1580

Cuffed Tracheostomy Tube with 15mm Spinning Connector

- Low-Pressure Cuff
- Cloth Ties
- 15mm connection spins 360°, reducing the risk of tissue trauma or malposition when the ventilation tubing or patient is moved

ID	OD	LENGTH	ITEM #
3.5mm	4.8mm	40mm	TTC35
4.0mm	5.4mm	41mm	TTC40
4.5mm	6.1mm	42mm	TTC45
5.0mm	6.7mm	44mm	TTC50
5.5mm	7.4mm	46mm	TTC55



Cuffed Tracheostomy Tube with Obturator

- Obturator for easy insertion
- Low-Pressure Cuff
- Cloth Ties

ID	OD	LENGTH	ITEM #
6.0mm	8.0mm	53mm	TTC60
6.5mm	8.7mm	55.5mm	TTC65
7.0mm	9.4mm	67mm	TTC70
7.5mm	10.1mm	73mm	TTC75
8.0mm	10.8mm	77mm	TTC80
8.5mm	11.5mm	80mm	TTC85
9.0mm	12.2mm	87mm	TTC90
9.5mm	12.9mm	93mm	TTC95
10.0mm	13.6mm	93mm	TTC100



Cuffed Tracheostomy Tube with Obturator and Inner Cannulas

Recommended choice when size permits
because it includes TWO cannulas!



- Obturator for easy insertion
- Cannulas allow for cleaning without removing the trach tube
- The multiaxial flange allows the patient to move more easily without the risk of tissue trauma or tube dislodgement
- Kit components:
 1. TWO inner cannulas with 15mm connectors (allows for one to be in use while the other is being cleaned)
 2. Cleaning brush
 3. Cushioned strap with Velcro™ closures
 4. Cap



ID	OD	LENGTH	ITEM #
5mm	8.6mm	66mm	TTCIC50
6mm	9.2mm	71mm	TTCIC60
7mm	10.4mm	73mm	TTCIC70
8mm	11.4mm	76mm	TTCIC80

Additional Cannulas:

ID	FITS TRACH	ITEM #
5mm	TTCIC50	IC50
6mm	TTCIC60	IC60
7mm	TTCIC70	IC70
8mm	TTCIC80	IC80

NOTE: Cuff can be left deflated, if necessary.

Non-Cuffed Tracheostomy Tube with 15mm Spinning Connector

- Cloth Ties
- 15mm connection spins 360°, reducing the risk of tissue trauma or malposition when the ventilation tubing or patient is moved

ID	OD	LENGTH	ITEM #
2.5mm	3.4mm	38mm	TTNC25
3.0mm	4.1mm	39mm	TTNC30
3.5mm	4.8mm	40mm	TTNC35
4.0mm	5.4mm	41mm	TTNC40
4.5mm	6.1mm	42mm	TTNC45
5.0mm	6.7mm	44mm	TTNC50
5.5mm	7.4mm	46mm	TTNC55



Closed Medication System

Protect Veterinary Healthcare Personnel



Safe, Simple, and Economical. The MILA Closed System Transfer Device is designed to fully protect veterinary healthcare personnel from exposure to hazardous drugs. The system is designed for safe handling of hazardous injectable drugs, optimizing safety, simplicity, and the cost of care. The use of a closed system transfer device in conjunction with other safety precautions is the standard for preparing, transporting, administering, and disposing of hazardous drugs.

The system includes a Closed Vial Access Adapter, Closed Male Luer Valve, Closed Female Luer Valve, and Infusion Access Device Spike and meets the following standards:

- US FDA 510(k) clearance under ONB Product Code (Closed System Transfer Devices)
- Mechanically prohibits the release of drugs in vapor, aerosol or liquid form during preparation and administration
- Prevents the introduction of microbial and airborne contaminants into the drug or fluid path
- Substantiated to prevent microbial ingress for up to 7 days



Closed Vial Access Adapter

- Functions as a pressure equalization device, utilizing a sealed expansion chamber that establishes and maintains neutral pressure when air or diluent is injected into or aspirated from the vial
- Connects to 13mm and 20mm vials; permanently locks on to the vial to prevent disconnection and reduces exposure
- Use any luer lock syringe to access the vial; no need to prime syringe with non-filtered air
- Drip-free connection
- 0.11mL priming volume
- Multi-use



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

Closed Male Luer Valve

- Permanently attached to the luer lock syringe, preventing disconnection and risk of exposure
- Passive safety system that locks and closes the fluid path upon disconnection from vial adapter
- Drip-free disconnection
- 0.06mL priming volume
- Single-use



Closed Female Luer Valve

- Needle-free female luer connects onto any butterfly needle or catheter; designed to reduce exposure after drug infusion
- Drip-free disconnection
- 0.06mL priming volume
- Single-use



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



Closed System Transfer Device - From Vial to Syringe

How it Works:



Snap on vial adapter.



Connect male luer valve onto syringe.



Connect male luer valve to female luer valve on vial adapter and withdraw medication.



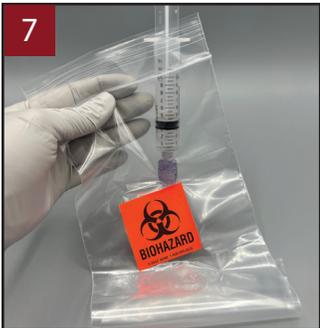
Disconnect syringe from vial adapter.



Connect female valve onto the patient's vascular device.



Connect syringe with male valve (12-007) onto female valve (12-004). Administer drug.



Disconnect syringe and dispose.

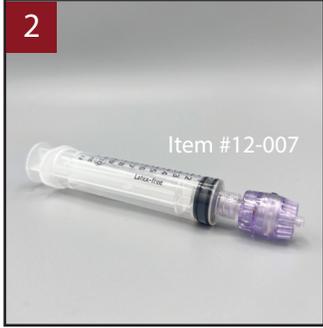
- ITEM #**
 12-004
 12-007
 12-009
 12-010

Closed System Transfer Device - From Syringe to IV Bag

How it Works:



Spike fluid bag with access device.



Connect male luer valve onto syringe. Fill syringe following directions in left column on this page.



Connect male luer valve to female luer valve on access device and infuse medication into bag.



Disconnect syringe and dispose.



Pull cap back from bottom of access device and spike with administration set.

- ITEM #**
 12-007
 12-008
 175250
 175255

Oncology Accessories

EZ Fill - Syringe to Syringe Transfer Device



Closed Valve Three-Way Stopcock



10 Drop IV Administration Set

- Item #175250 - Universal spike, roller clamp, slide clamp, ONE needle-free injection site and rotating male luer lock
- Item #175255 - Universal spike, roller clamp, slide clamp, TWO needle-free injection sites, check valve, and rotating male luer lock

LENGTH	PRIMING VOLUME	ITEM #
222cm (87in)	15mL 10 drops/mL	175250
261cm (103in)	18mL 10 drops/mL	175255



DESCRIPTION	ITEM #
EZ Fill - Syringe to Syringe Transfer Device	12-006
Closed Valve Three-Way Stopcock	12-055



Fecal Management System

FOR COLLECTION OF LIQUID STOOL AND ODOR CONTAINMENT

The Fecal Management System is a soft, silicone catheter inserted into the rectum for collection of liquid stool. It is retained by an air-inflated low-pressure balloon. The proximal end of the large bore tube attaches to the barbed adapter on the collection line that is integrated to the 2000mL collection bag.

- Catheter size is determined by the size of the patient:
 - 20Fr for small and medium size dogs
 - 24Fr for medium and large size dogs
 - 28Fr for extra large dogs
- Balloon size is determined by approximating the normally formed stool size
- Reduces infection risk to other animals and humans
- Measurement lines help to calculate fluid losses
- Greatly reduces clean up time and supplies
- Keeps odor contained

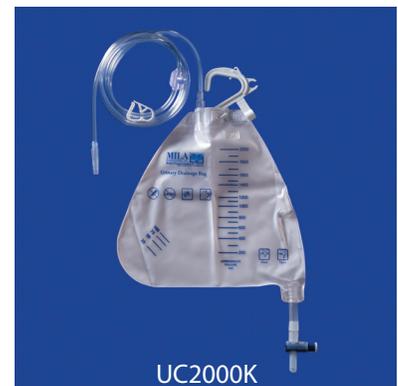
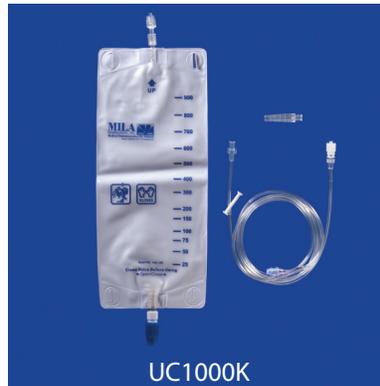


CATHETER SIZE	BREED	BALLOON SIZE	ITEM #
20Fr	Small	15-20cc	FM2000
24Fr	Medium	15-20cc	FM2400
28Fr	Large	15-20cc	FM2800
2000mL Replacement Bag (Non-sterile)			FMRB

Closed System Urine Collection Kits 600mL, 1000mL, and 2000mL



DESIGNED TO MINIMIZE CATHETER ASSOCIATED URINARY TRACT INFECTIONS



DESCRIPTION	ITEM #
600mL closed system includes collection bag with anti-reflux valve and twist drain, 180cm (72in) lightweight collection line with 360° SPINNER luer lock, injection/sampling port, and female luer lock barbed adapter	UC600K
1000mL closed system includes collection bag with anti-reflux valve and twist drain, 180cm (72in) lightweight collection line with 360° SPINNER luer lock, injection/sampling port, and female luer lock barbed adapter	UC1000K
2000mL closed system includes collection bag with anti-reflux valve and push/pull drain, 180cm (72in) collection line, injection/sampling port, non-wettable air filter, and integrated barbed adapter	UC2000K

Spinal Needles

Spinal needle with stylet to prevent tissue coring prior to CSF tap or anesthetic delivery. Hub is marked and notched for easy tip orientation.

SIZE	LENGTH	ITEM #
22Ga	15cm (6in)	2206
20Ga	20cm (8in)	2008
19Ga	8.75cm (3.5in)	1903
18Ga	15cm (6in)	1806
18Ga	20cm (8in)	1808
18Ga	25cm (10in)	1810



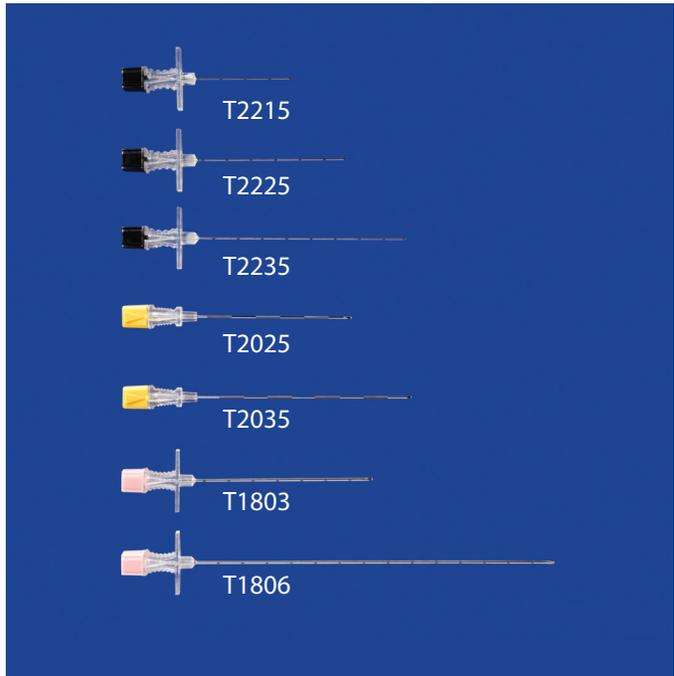
Image of ultrasound-guided injection performed in the SI region of a horse.

Photo courtesy of Emmanuel Engeli,
Dr. Med.Vet.(Bern & Zurich),
Diplomate ACVS, MRCVS,
American Board-Certified Equine Surgeon

Tuohy Needles

Tuohy needles for epidural anesthesia and catheter placement. Hub marked and notched for easy tip orientation.

SIZE	LENGTH	ITEM #
22Ga	4cm (1.5in)	T2215
22Ga	6.25cm (2.5in)	T2225
22Ga	8.75cm (3.5in)	T2235
20Ga	6.25cm (2.5in)	T2025
20Ga	8.75cm (3.5in)	T2035
18Ga	8.75cm (3.5in)	T1803
18Ga	15cm (6in)	T1806



Echogenic Stimulating Needles for use with Nerve Stimulator on page 75.

SIZE	LENGTH	ITEM #
22Ga	5cm (2in)	NB2205
21Ga	8cm (3.1in)	NB2108
21Ga	10cm (4in)	NB2110

Echogenic Needles for Ultrasound

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

NERVE BLOCK NEEDLES

- For locoregional anesthesia
- Clear needle tip visualization under ultrasound for safe and precise needle placement
- Needle bevel is 30° back-cut to reduce the risk of penetration into nerve fascicles

SIZE	LENGTH	ITEM #
21Ga	8cm (3.125in)	E2103
21Ga	10cm (4.0in)	E2104



MSK/SPINAL NEEDLES

- Use for musculoskeletal and spinal injections
- Clear needle tip visualization under ultrasound for safe and precise needle placement
- Quincke style needle bevel for improved dural puncture

SIZE	LENGTH	ITEM #
20Ga	20cm (8in)	E2008
18Ga	20cm (8in)	E1808



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
- Reusable

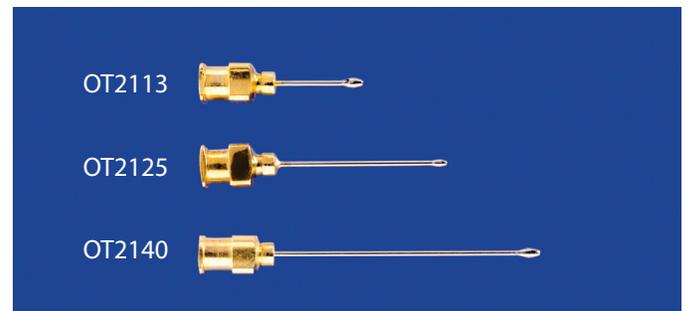
SIZE	LENGTH	STYLE	ITEM #
23Ga	2.0cm (0.75in)	Curved	OTC2320
23Ga	3.0cm (1.25in)	Straight	OT2330



URETHRAL & ANAL GLAND LAVAGE NEEDLE

- Used to flush anal glands or distal end of feline penis
- Stainless steel needle with small atraumatic olive tip
- Female luer designed to fit any syringe
- Reusable

SIZE	LENGTH	ITEM #
21Ga	1.3cm (0.5in)	OT2113
21Ga	2.5cm (1.0in)	OT2125
21Ga	4.0cm (1.5in)	OT2140



Eye Lavage Kit/SPL



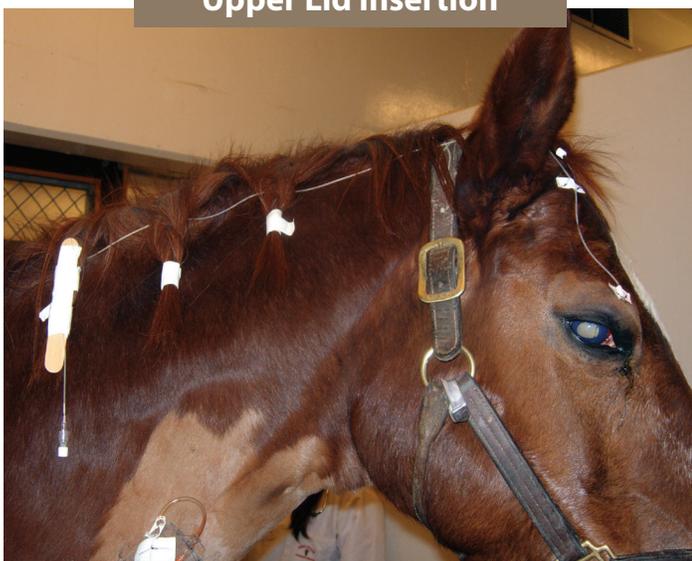
- Can be placed in upper or lower lid
- Single stick insertion method
- Soft, non-irritating silicone disc and tubing
- Allows application of liquid eye medication away from the site
- Easily used in both clinical and farm setting
- Kit includes 152cm (60in) tubing for medication infusion, 12Ga straight or 10° angled trocar, 20Ga catheter, eyelid lifter, extension set, tongue depressor for taping the proximal end, stasis valve, and stemless cap
- Repair kit (#6615) includes 51cm (20in) tubing, cannula for connecting tubes, 20Ga catheter, tongue depressor for taping the proximal end, stasis valve, and stemless cap
- Use the elastomeric administration pump (item #7100 on next page) for continuous infusion

DESCRIPTION	ITEM #
Subpalpebral Eye Lavage Kit	
Straight trocar, 152cm (60in) tubing	6612
Subpalpebral Eye Lavage Kit	
Angled 10° trocar, 152cm (60in) tubing	6613
Repair Kit	
51cm (20in) tubing	6615

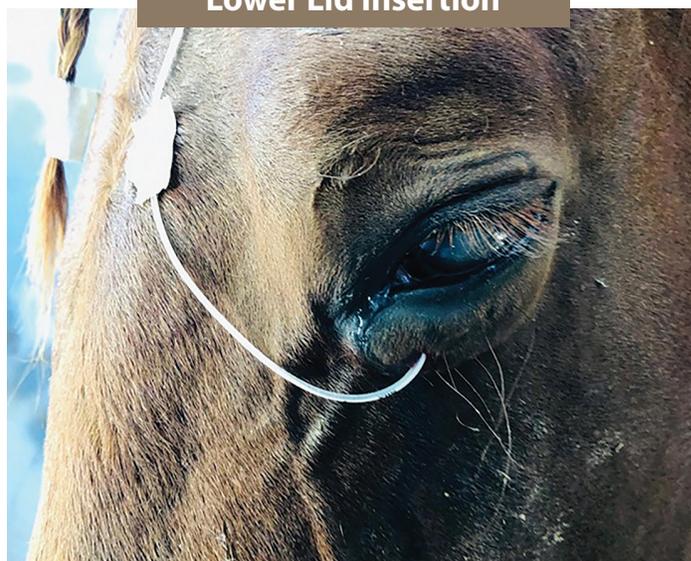
For Ophthalmic Surgical Drape, see next page.



Upper Lid Insertion



Lower Lid Insertion



Elastomeric Pump

- 100mL fluid reservoir - Minimum fill volume = 60mL, Residual volume = 2mL
- Four layers of latex for sturdiness
- Recoil of balloon pushes fluid through tubing
- Two flow control tubes are included:
 - FCT12 (0.8mL/hr) is attached to pump
 - FCT4 (2.5mL/hr) is included in package
- Accuracy rate +/- 15%

DESCRIPTION	ITEM #
Elastomeric Pump	7100
10mL in 4 hours – 2.5mL/hour	FCT4
10mL in 12 hours – 0.8mL/hour	FCT12
0.2-micron filter (10 pack)	2420

Eye medication solution:



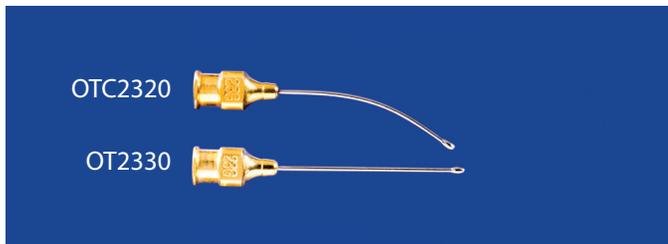
Courtesy of Dr. Meghan Mendoza and Dr. Katie Hayes, Hayes Veterinary Services



Olive Tip Needles for Lacrimal Lavage

- 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
- Reusable

SIZE	LENGTH	STYLE	ITEM #
23Ga	2.0cm (0.75in)	Curved	OTC2320
23Ga	3.0cm (1.25in)	Straight	OT2330



Ophthalmic Surgical Drape - Customizable

Quick and easy sterile field that stays in place without clamps

- 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

DESCRIPTION	ITEM #
Ophthalmic Surgical Drape	OSD

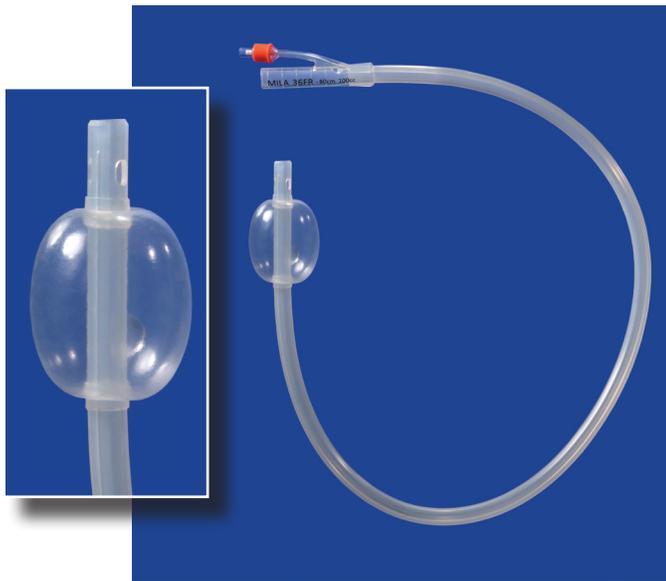


Uterine Flush

Embryo Flushing Catheter

- Open-end, heavy-duty silicone catheter
- Balloon ensures occlusion of the cervix when inflated, retaining the fluid in the uterus.
- Ideal for embryo transfer
- Reusable

SIZE	LENGTH	BALLOON SIZE	ITEM #
36Fr	80cm (32in)	100mL	UFC3680



BELOW: Item #175490 connected to Item #UFC3680 for embryo wash.

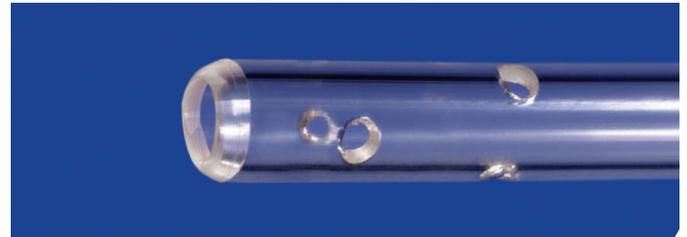
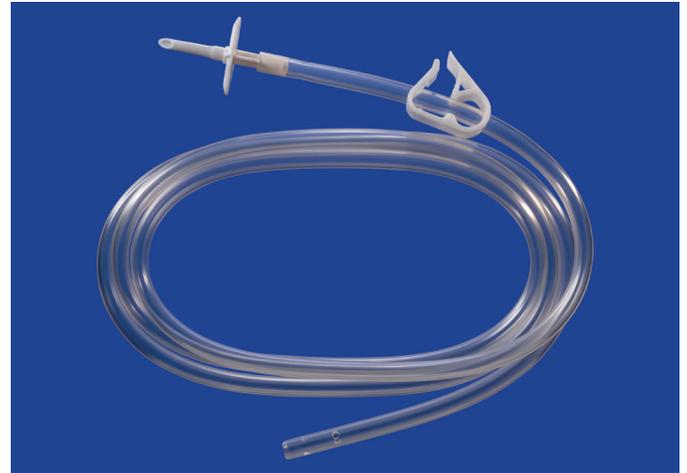


Photo courtesy of MVZ Juan José Ramírez Nava, Reproducción Asistida en Equinos.

Uterine Flush Tube

- Flushing tube with spike and clamp
- 4 side-holes, 1.5cm apart, ending 2.5cm from end of catheter
- Smooth, open-ended tip

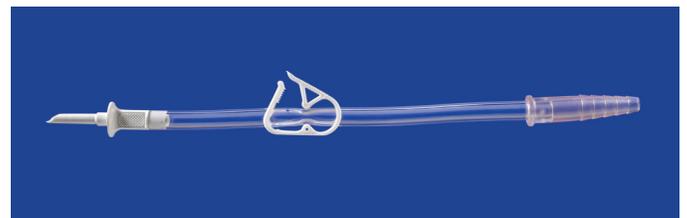
SIZE	LENGTH	ITEM #
28Fr	190cm (75in)	UFT28190



High Flow Fluid Transfer Set

- Connects fluid bag to Embryo Flushing Catheter (item #UFC3680 on the left of this page, see photo) or other lavage tube
- Includes high flow spike, clamp, and high flow barbed adapter for 20-40Fr tubes

ID	LENGTH	PRIMING VOLUME	ITEM #
19Fr	30cm (12in)	8mL	175490
19Fr	60cm (24in)	20mL	175493





Equine Oocyte Collection Set



- For equine transvaginal oocyte collection
- Laminar flow - no ridges on collection side
- Etched needles are ECHOGENIC to improve ultrasound visualization
- Double lumen needle design consists of an outer flushing needle and inner aspiration cannula (see photo below); outer needle can be easily cleaned and replaced as needed
- For continuous flushing without disconnecting the syringe, connect the controlled flushing set (item #CFS36) between the flush line and fluid source (see photo on next page)
- Oocyte collection sets include:
 1. Outer flushing needle - 12Ga x 60cm (24in)
 2. Inner aspiration cannula - 16Ga x 65.4cm (25.75in)
 4. Y-adapter
 3. Flushing line - 16Ga x 180cm (72in)
 5. Collection line - 16Ga x 180cm (72in)
 6. #6 silicone bottle stopper with collection port and vent port

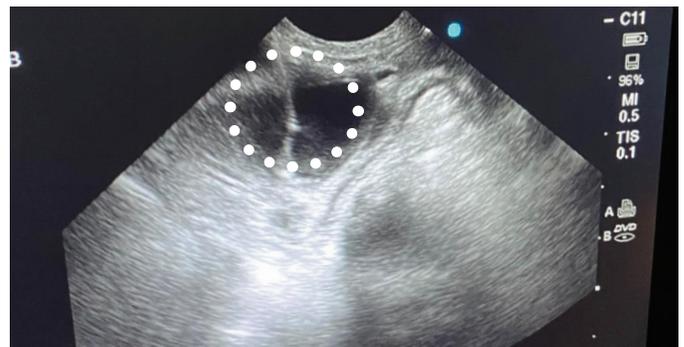
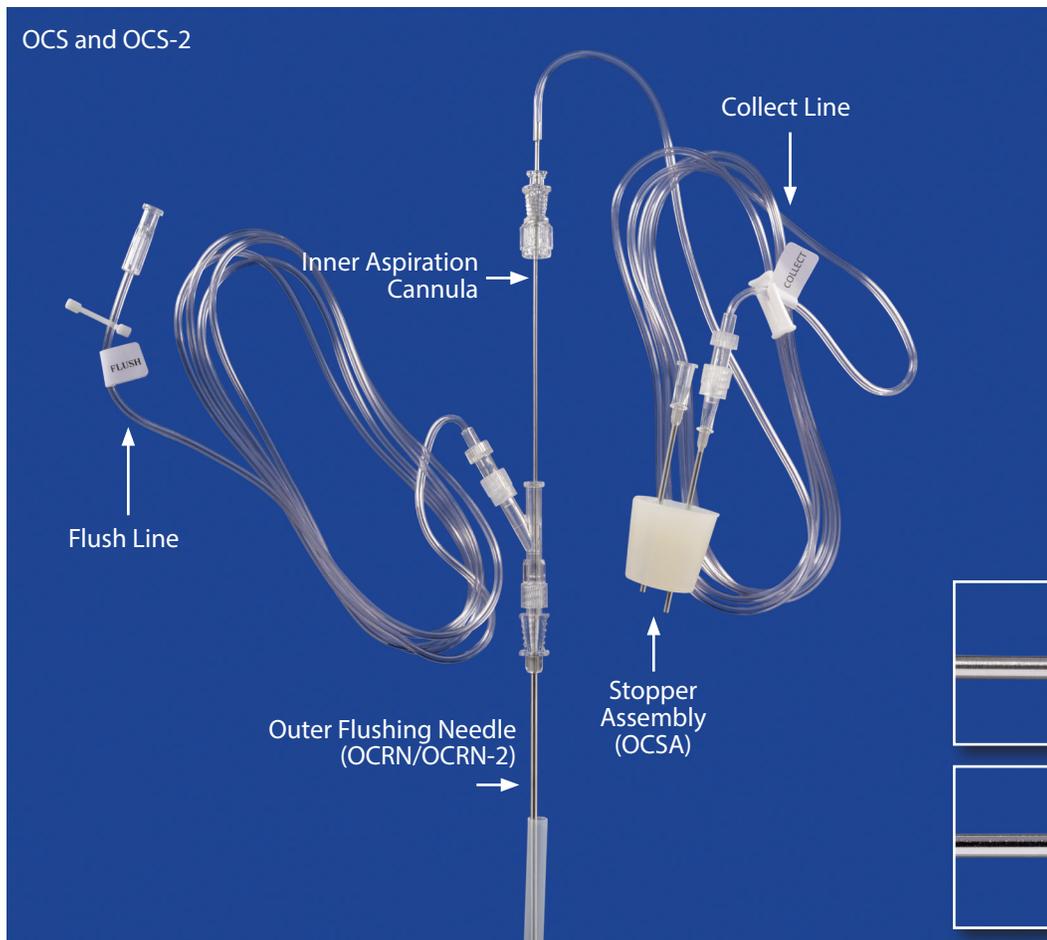
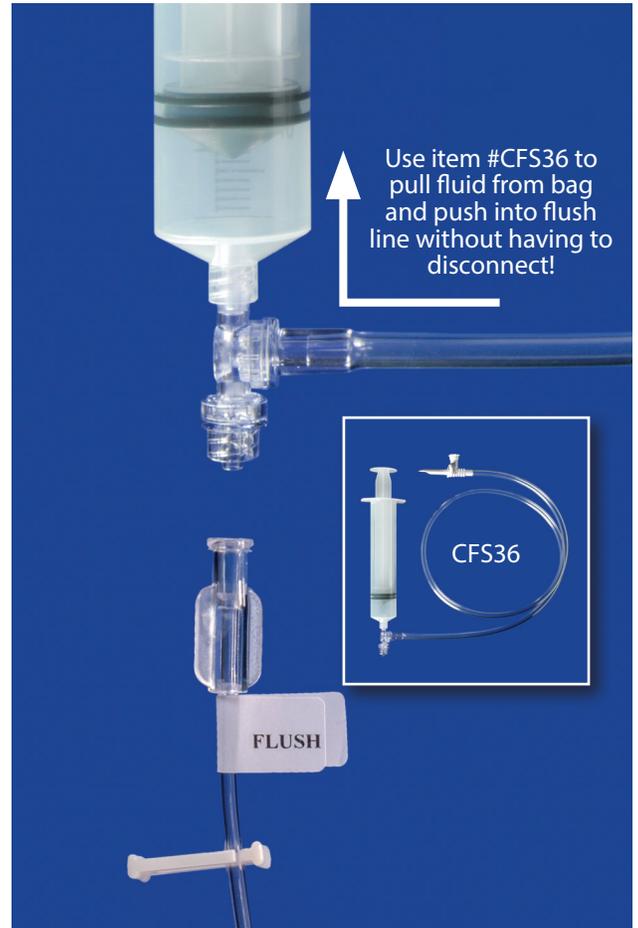
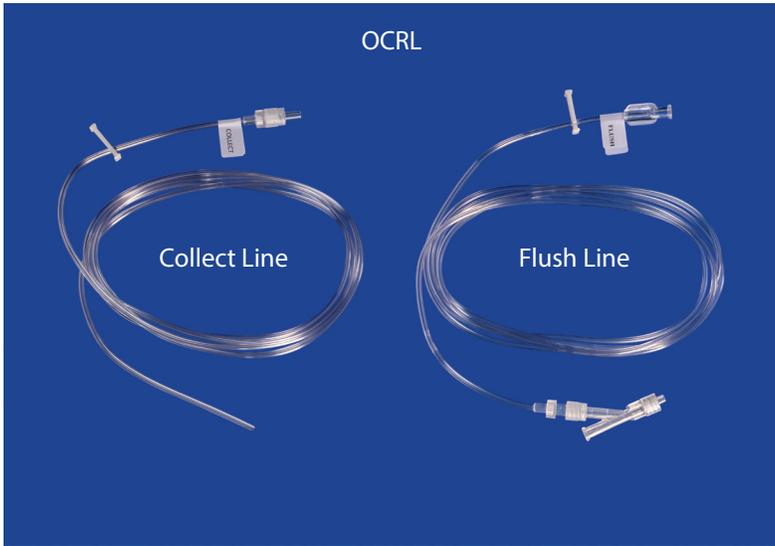


Photo courtesy of Maria P. Schnobrich, VMD DACT
Theriogenologist at Rood and Riddle Equine Hospital
Procedure performed at Spy Coast Farm Reproduction Center

DESCRIPTION	ITEM #
Oocyte Collection Set - Etched Tip	OCS
Oocyte Collection Set - Non-Etched Tip	OCS-2



Equine Oocyte Collection Replacement Pieces and Accessory



DESCRIPTION	SIZE	ITEM #
Outer Flushing Needle - Etched Tip	12Ga x 60cm (24in)	OCRN
Outer Flushing Needle - Non-Etched Tip	12Ga x 60cm (24in)	OCRN-2
Flush/Collect Lines with Y-Port	16Ga x 180cm (72in)	OCRL
Silicone Bottle Stopper with collection and vent ports	#6	OCSA
Controlled Flushing Set	90cm (36in)	CFS36

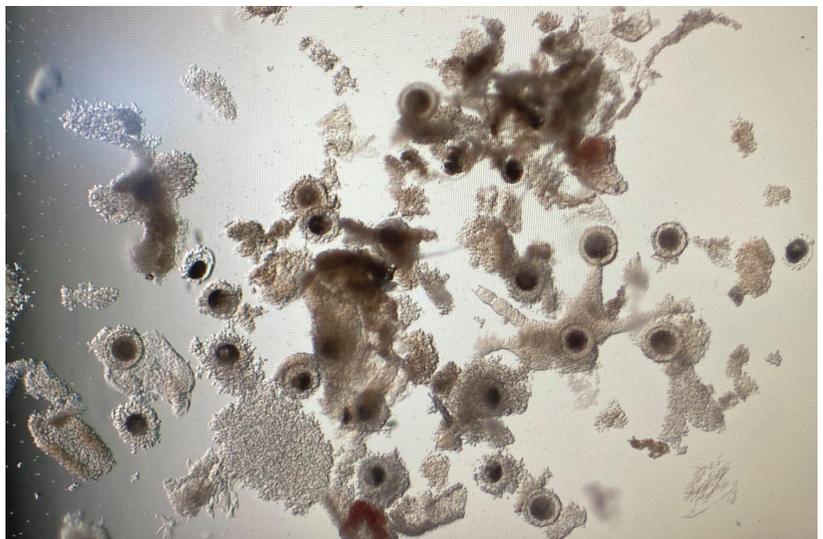


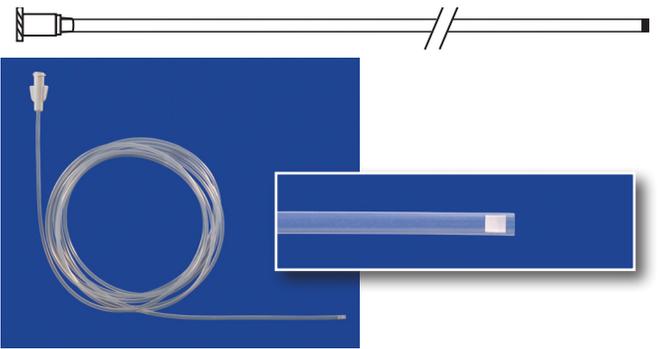
Photo courtesy of Maria P. Schnobrich, VMD DACT
Theriogenologist at Rood and Riddle Equine Hospital
Procedure performed at Spy Coast Farm Reproduction Center

Tracheal Wash / Aspiration Catheters

Single Lumen Catheters

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

OD	LENGTH	SCOPE CHANNEL SIZE	ITEM #
2.3mm	190cm (76in)	2.5mm	EDC190
1.8mm	200cm (79in)	2.0mm	EDC200
2.3mm	220cm (88in)	2.5mm	EDC220
2.3mm	400cm (160in)	2.5mm	EDC400



Double/Triple Lumen Catheters

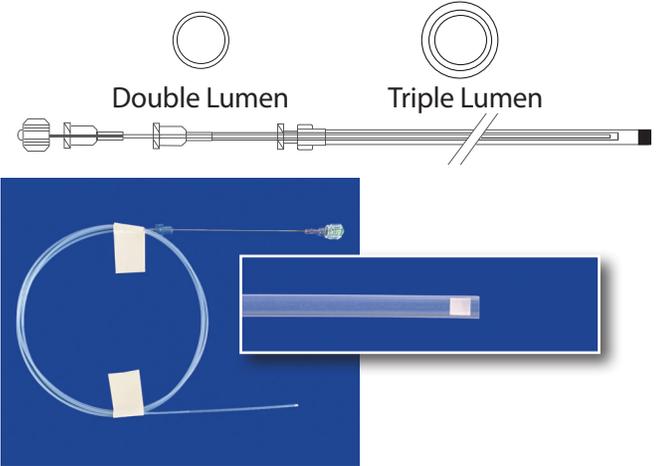
Two and three lumen sampling catheters enable a sterile specimen retrieval via an endoscope. To maintain sterility during placement, the outer catheter has a water-soluble plug in the tip. Once in place, the inner catheter is advanced, pushing out the water-soluble plug, then further advanced for retrieval of the sterile specimen.

TWO STAGE CATHETER

OD	LENGTH	SCOPE CHANNEL SIZE	ITEM #
1.8mm	190cm (76in)	2.0mm	EMAC700
1.8mm	250cm (100in)	2.0mm	EMAC700L

TRIPLE STAGE CATHETER

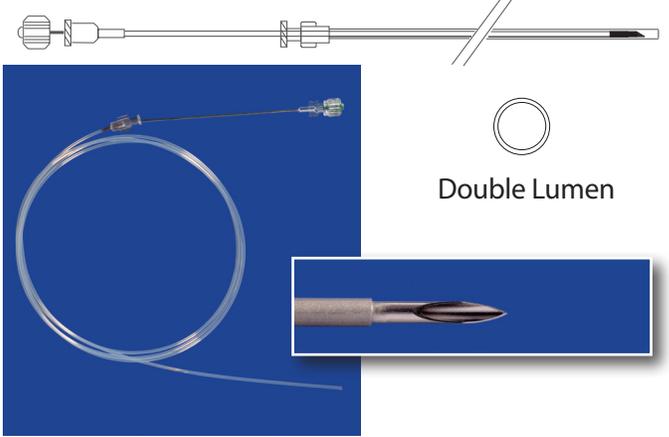
OD	LENGTH	SCOPE CHANNEL SIZE	ITEM #
2.3mm	190cm (76in)	2.5mm	EMAC800



Lance-A-Lot

- Injection and aspiration needle with female luer lock

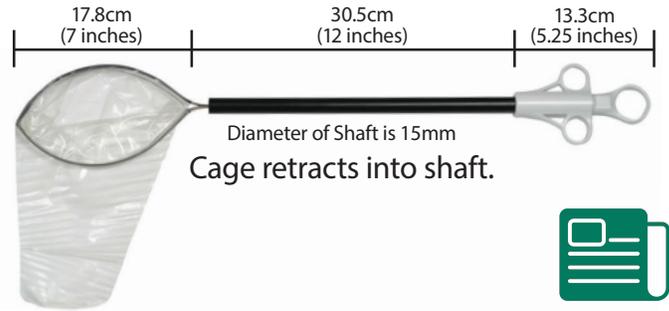
DESCRIPTION	SCOPE CHANNEL SIZE	ITEM #
1.8mm OD x 190cm (76in) with 19Ga needle	2.0mm	LAN180
2.3mm OD x 190cm (76in) with 17Ga needle	2.5mm	LAN190



Laparoscopic Large Animal Retrieval Pouch

- Retrieval pouch for a variety of large animal surgical procedures:
 - Ovariectomies with normal ovaries and granulosa cell tumors
 - Removal of cryptorchid testicle, bladder stones, abdominal cavity tumors
 - Harvesting biopsy specimens
- 1500mL bag detaches from metal cage
- Economical

DESCRIPTION	ITEM #
EndoPouch	EP810

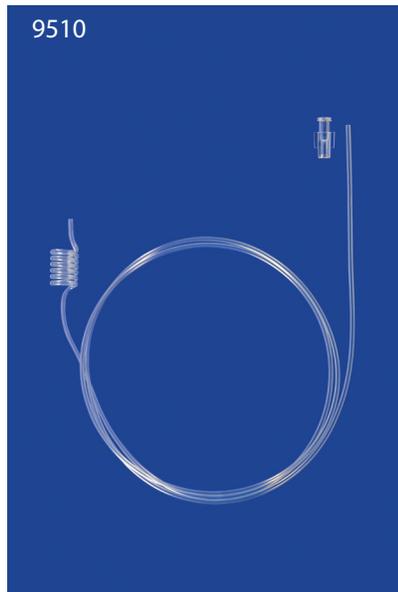


See 2017 publication: milainternational.com/pub/media/wysiwyg/Retrieval_Pouch-Large_Animal.pdf

Indwelling Guttural Pouch Flushing Kit

- Non-irritating polyurethane catheter for extended treatment of the guttural pouch
- Placed by viewing the guttural pouch through an endoscope up one nostril and advancing the catheter introducer up the other nostril
- Kit includes:
 1. Catheter with coils
 2. Bendable introducer
 3. Luer lock adapter
 4. Glue (to attach luer to catheter)
- The catheter can remain dwelling, secured to the halter and protected by a grazing muzzle
- Introducer dimensions: 12Fr x 71cm (28in)
- Catheter dimensions: 12Ga x 135cm (54in); catheter can be cut to desired length

DESCRIPTION	ITEM #
Guttural Pouch Flushing KIT	9500
Guttural Pouch Flushing CATHETER ONLY	9510

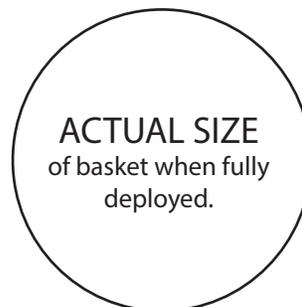
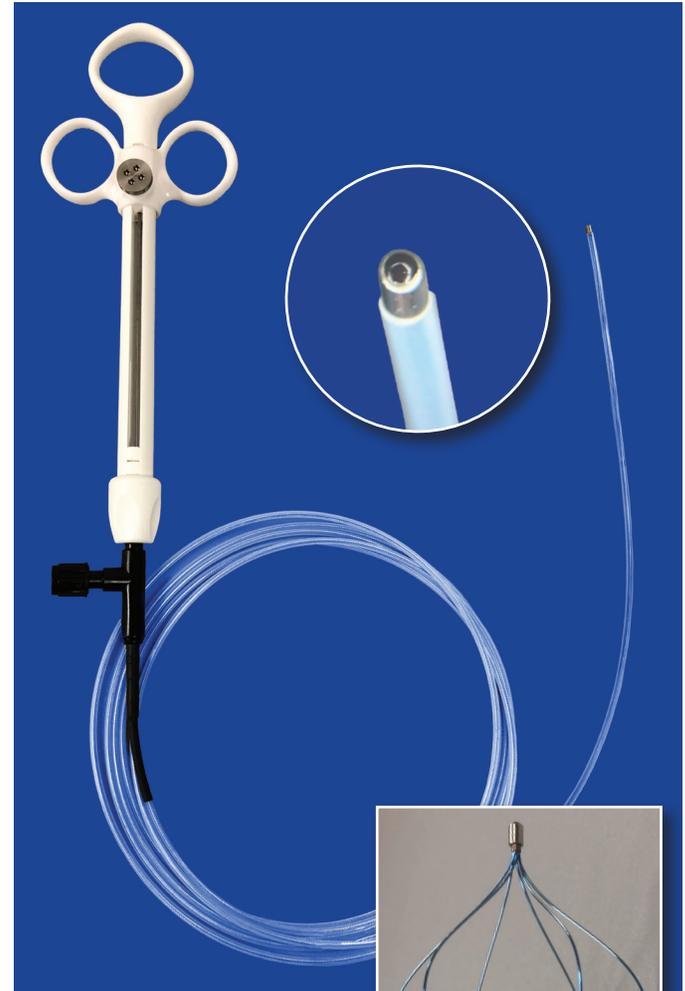


Fetcher™ Endoscopic Retrieval Device



- The MILA Fetcher™ Endoscopic Retrieval Device can be placed down the channel of an endoscope for extraction of foreign bodies such as buttons, marbles, hairballs, grass, golf balls, and stones.
- Fully open basket has a diameter of 40mm (1.6in) and length of 90mm (3.5in)
 - Basket is constructed of 6 monofilament nitinol wires

OD	LENGTH	SCOPE CHANNEL SIZE	ITEM
2.3mm	235cm (92.5in)	2.8mm	ERD-235



ACTUAL SIZE
of basket when fully
deployed.



DuraFlow™ Large Animal IV Coil Set

The MILA DuraFlow™ Large Animal IV Coil Set is a two spike set capable of delivering gravity flow rates up to 40.5 liters/hour.

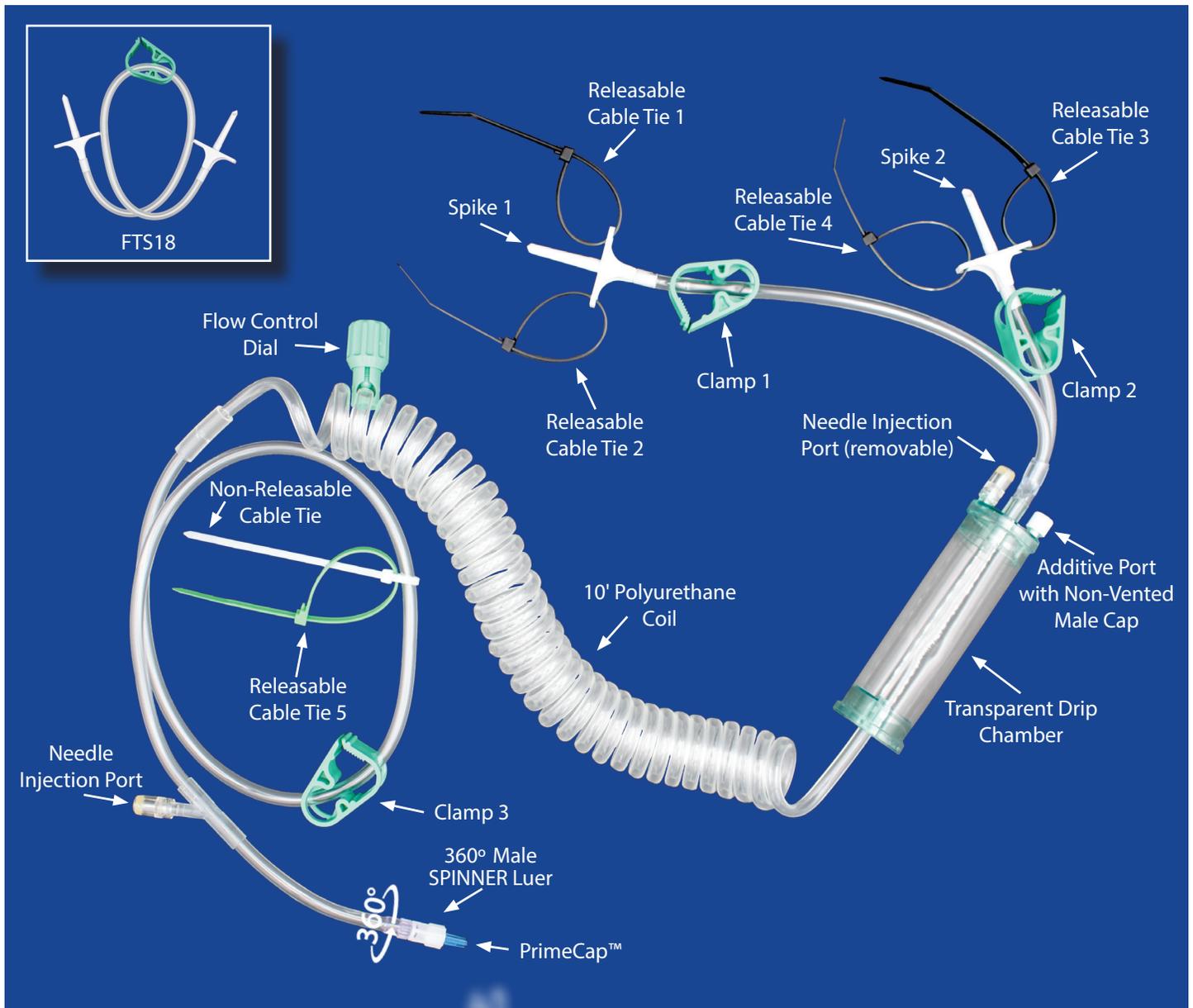
- Transparent drip chamber for fluid visibility at all angles
- Durable flow regulator with precise flow control
- 10 foot polyurethane coil for superior elasticity and memory
- MILA PrimeCap™ vents the line during priming preventing fluid loss and reducing the risk of contamination
- 360° SPINNER provides the line with an independent rotational axis, preventing tangling, and reducing the risk of disconnection
- Use with FLUID TRANSFER SET high flow spikes to transfer fluid between bags (#FTS18) to connect up to 4 bags

DESCRIPTION

DuraFlow™ Large Animal IV Coil Set
 Fluid Transfer Set - 45cm (18in)

ITEM #

LACS1
 FTS18





Connect up to 4 bags with the MILA Fluid Transfer Set, item #FTS18

FTS18

IV Break-Away Device NEW!

- Connects between the fluid administration line and the IV catheter extension
- Prevents the catheter extension from being dislodged from excessive pull force
- Supports gravity flow rates of >220mL/min
- No blood loss or mess from broken IV lines
- Easy to reassemble - swab both ends and reconnect
- Each end automatically closes when disconnected

DESCRIPTION **ITEM #**
 IV Break-Away Device IVBA



No Backflow Valve NEW!

- Helps to prevent backflow of fluids and blood during infusion therapy
- Normally closed valve, opens with low pressure

DESCRIPTION **ITEM #**
 No Backflow Valve 2485



Foal Coiled IV Administration Set with Swivel

Designed for the administration of fluids and medication to foals and other animals

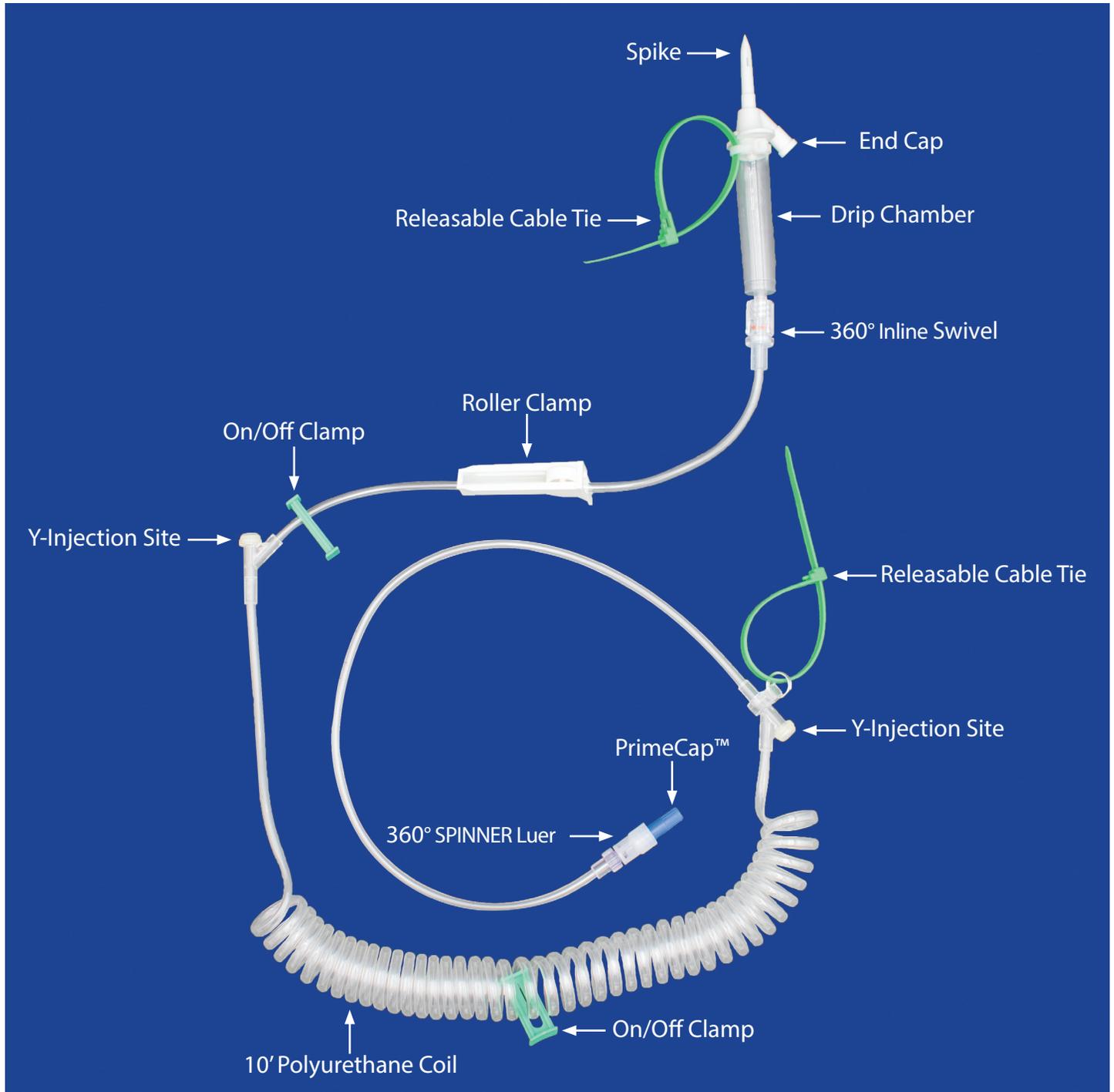
- 10ft polyurethane coil for superior elasticity and memory
- 35.5cm/14in of tubing beyond the coil
- MILA PrimeCap™ allows for the line priming without risking contamination
- 360° SPINNER allows for rotation of the male luer connection to reduce line disconnects

DESCRIPTION

Foal Coiled IV Administration Set with Swivel

ITEM #

LACS-PS



NEW!

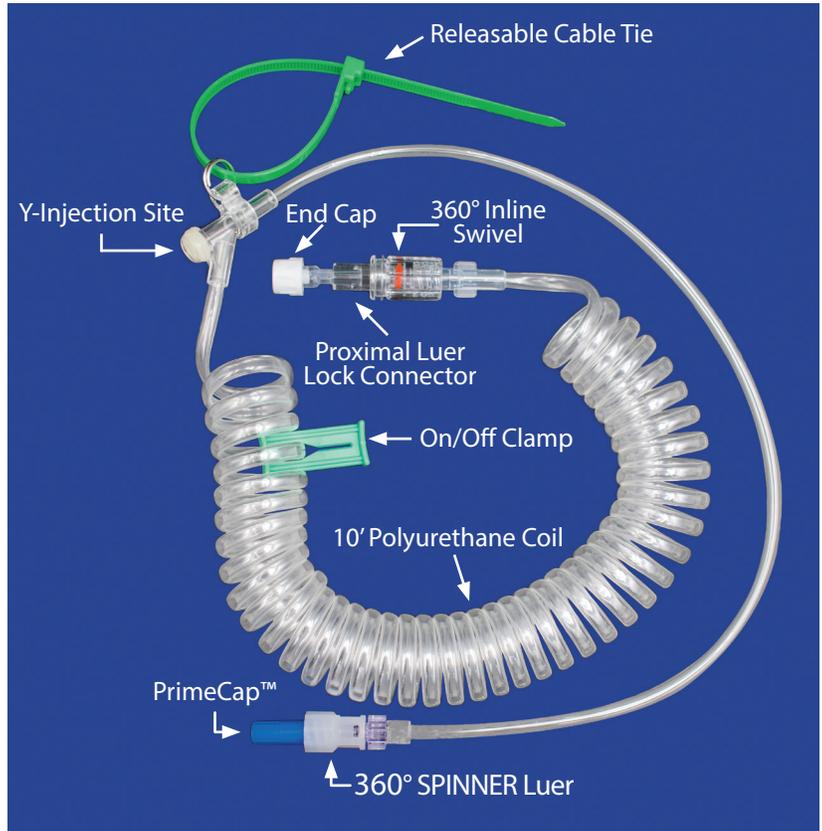
FLUID COLLECTION and DELIVERY

Coiled IV Extension Set with Swivel

Designed for use with primary IV sets

- 10ft polyurethane coil for superior elasticity and memory
- 35.5cm/14in of tubing beyond the coil
- MILA PrimeCap™ can be left on when the line is primed, reducing the risk of contamination
- 360° SPINNER rotates at the point of connection to the IV, reducing the risk of disconnection

DESCRIPTION	ITEM #
Coiled IV Extension Set with Swivel	LACS-EX



EquiSet IV Administration Set

High flow, large bore, non-vented Y-set with 2 spikes, 3 clamps, roller flow adjustment, needle-free injection site, and luer lock adapter with 360° SPINNER

SIZE	LENGTH	ITEM #
30Fr	300cm (120in)	8V0002



Arthroscopy Fluid Line/ Wound Flushing Line

High flow, large bore infusion set includes vented spike, clamp, and spin luer lock Fits most peristaltic pumps

LENGTH	PRIMING VOLUME	ITEM #
305cm (120in)	48mL	175499



High Flow IV Administration Sets

- High flow, large bore set includes, pinch clamp, needle-free injection site, and rotating male luer lock
- Item #175497 includes drip chamber
- Item #175498 includes vented spike with filter

LENGTH	PRIMING VOLUME	ITEM #
180cm (72in)	42mL	175497
180cm (72in)	32mL	175498



Controlled Flushing Set

- Eliminates the need to pre-fill syringes
- 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
- Spike the irrigation fluid, attach syringe to female luer of valve, fill syringe, flush, then repeat

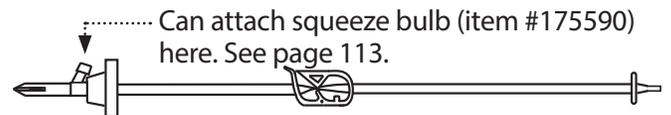
LENGTH	PRIMING VOLUME	ITEM #
90cm (36in)	15mL	CFS36



Secondary Venoset

Easily bolus medication or fluids by connecting the Inflation Squeeze Bulb Assembly (Item #175590, next page) to the filter port on the spike.

LENGTH	PRIMING VOLUME	ITEM #
58cm (23in)	4mL	175720



IV Administration Sets

10 Drop

- Item #175250 - Universal spike, roller clamp, slide clamp, ONE needle-free injection site and rotating male luer lock
- Item #175255 - Universal spike, roller clamp, slide clamp, TWO needle-free injection sites, check valve, and rotating male luer lock

LENGTH	PRIMING VOLUME	ITEM #
222cm (87in)	15mL	175250
261cm (103in)	18mL	175255



15 Drop

Administration set with vented spike, drip chamber, rotating luer lock, roller clamp, and inline needle injection site

LENGTH	PRIMING VOLUME	ITEM #
190cm (76in)	13.3mL	175278



Pressure Infusers

High performance pressure infuser facilitates rapid high volume fluid boluses by continuously squeezing 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 infuser from hanging device



DESCRIPTION	ITEM #
1000mL cuff with squeeze bulb, pressure manometer, and 3-way stopcock	175950
5000mL cuff with squeeze bulb, and manometer	175950
Inflation Squeeze Bulb Assembly Includes bulb and three-way stopcock	175590

150 Micron Blood Filter

Syringe blood filter for CATS and SMALL DOGS

- First veterinary-designed filter to safeguard every drop of blood product during administration
- Insert it anywhere in the line between blood product and patient
- Low priming volume (approximately 0.3mL) minimizes waste
- Biocompatible nylon filter media
- Designed for LOW VOLUME transfusions
- Ideal for CATS, SMALL DOGS, and PUPPIES
- Tested up to 50 PSI
- Suitable for all blood product transfusions
- Validated for whole blood transfusions as large as 250mL and at rates as high as 50mL/minute

DESCRIPTION	ITEM #
150 Micron Blood Filter	BF150



Use with SALINE FLUSH on page 23.



Click the icon for FAQs

Hemo-Nate® 18 Micron Blood Filter

- Stainless steel filter designed to filter microaggregates within stored blood products down to 18 microns
- Luer locking hub allows the use of a standard syringe without a needle
- 50mL filter capacity for whole blood and 20mL filter capacity for all other blood components¹

DESCRIPTION	ITEM #
Hemo-Nate Blood Filter - 18 Micron	BF18



¹ Based on manufacturer's specifications for human blood products

Needle-Free Blood Bag Spike

- Large bore, transparent, needle-free, and swabable

DESCRIPTION	ITEM #
Needle-Free Blood Bag Spike	BF15



CPDA-1 Anticoagulant, 30mL

- Small volume minimizes risk of contamination and waste
- Each bag is foil pouched resulting in longer shelf life
- Extends the shelf life of whole blood approximately 35 DAYS
- Contains a port for needle-free access
- Recommended volume ratios:
 - 7mL Blood : 1mL CPDA-1
 - 53mL Blood : 7mL CPDA-1
- TWO options to draw from the bag:
 1. Needle Injection Port
 2. Spike Port (use with item #PIN3)

Each 100mL CPDA-1 contains:

- Citric acid (anhydrous) 0.299g
- Sodium citrate (dihydrate) 2.63g
- Monobasic sodium phosphate (monohydrate) 0.222g
- Dextrose (monohydrate) 3.19g
- Adenine 0.275g
- Water for injection to 100mL

DESCRIPTION	ITEM #
30mL CPDA-1 Anticoagulant	CPDA1
Needle-Free Spike	PIN3

- Preserve integrity and sterility of CPDA-1 in bag
- Spike the bag only once for multiple withdrawals
- NEEDLE-FREE, Swabable
- Operate with any luer syringe



PIN3



Needle Injection Port

Spike Port

CPDA1

Manufactured by IAS



MILA Associate Pet
Poppyseed

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

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

- ALL SETS have a filtration area of 16 square centimeters
- Volume limit on ALL SETS depends on a variety of factors such as blood density and transfusion pressure

High-Flow Blood Administration

- Set includes spike, drip chamber, large bore tubing, roller clamp, 200 micron blood filter, needle-free injection port, and SPINNER luer lock
- Flow rates can be increased using the pressurization kit, item #AF48 (on next page)

Gravity flow rates (not pressurized) using simulated blood:	
No catheter	710mL/minute
MILA 14Ga x 13cm (5.25in)	180mL/minute
MILA 12Ga x 13cm (5.25in)	375mL/minute
MILA 10Ga x 15cm (6in)	475mL/minute

Ideal in large animal applications to filter and administer blood from a bag

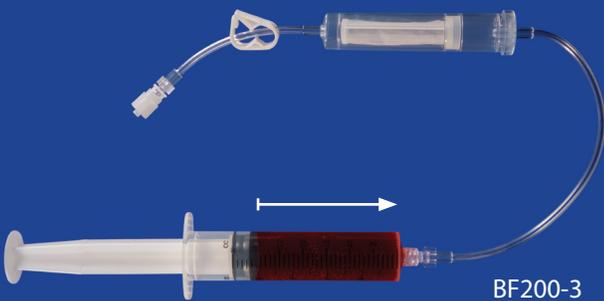


BF200-2

Syringe Administration

- Set includes female luer, large bore tubing, drip chamber, 200 micron blood filter, pinch clamp, and SPINNER luer lock

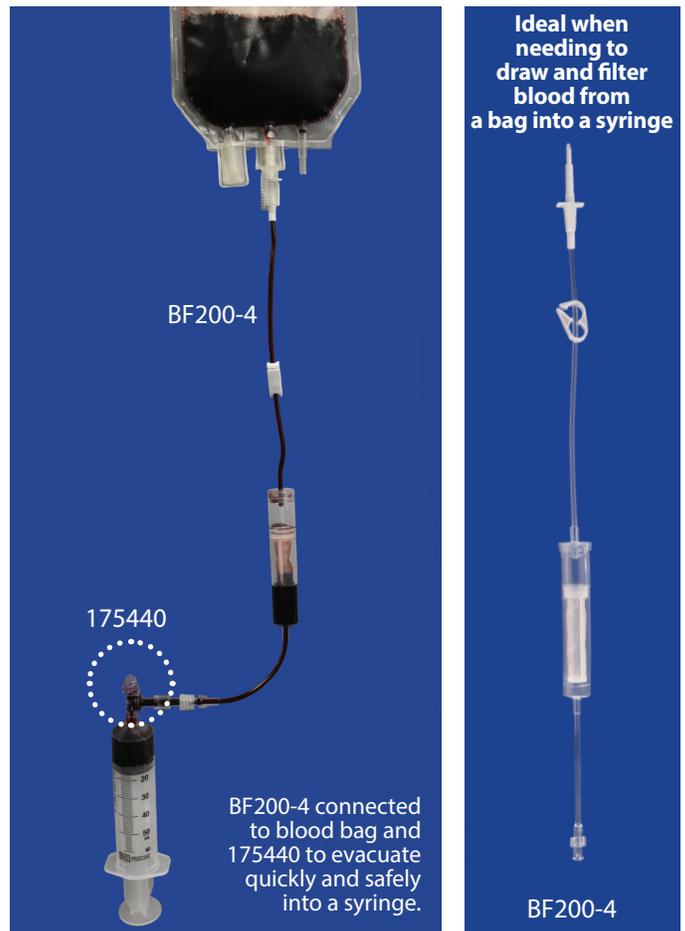
Ideal to filter and administer blood from a syringe



BF200-3

Bag Administration

- Set includes non-vented spike, large bore tubing, pinch clamp, drip chamber, 200 micron blood filter, and female luer lock
- Connect to MILA Automatic 3-way set (on next page) to make a completely closed delivery system
- Can be used to filter autologous blood prior to AUTOTRANSFUSION. Refer to Pigott study (article named below). See next page for kits.



Ideal when needing to draw and filter blood from a bag into a syringe

BF200-4

175440

BF200-4 connected to blood bag and 175440 to evacuate quickly and safely into a syringe.

BF200-4

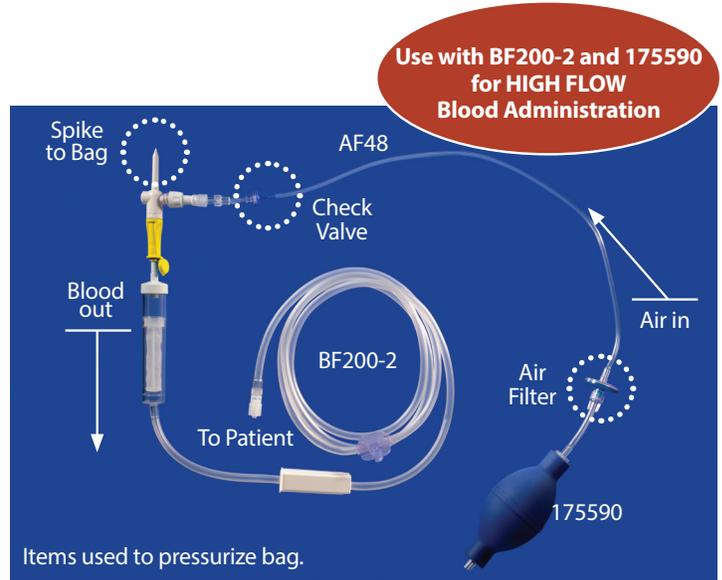
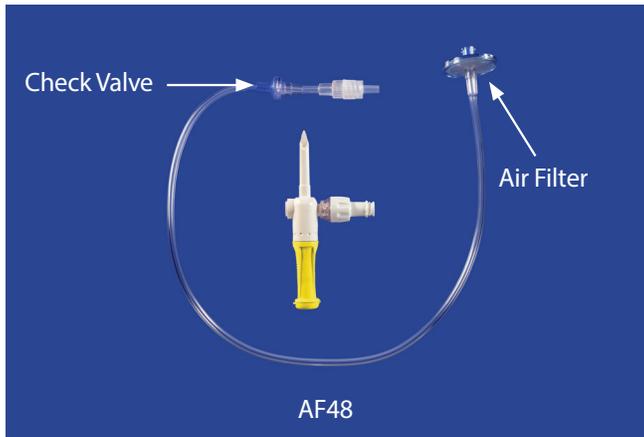
Miller, V. and Pigott, A. (2020) Traumatic haemothorax in a dog managed without surgery using a guidewire-inserted chest tube and a single closed system for collection and administration of autotransfusion. *Veterinary Record Care Reports*, 8:e001142

DESCRIPTION	LENGTH	PRIMING VOLUME	ITEM #
High Flow Blood Administration Set	203cm (80in)	36mL	BF200-2
Syringe Administration Set	43cm (17in)	4mL	BF200-3
Bag Administration Set	47cm (18in)	3mL	BF200-4

Bag/Bottle Pressurization Set

- 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 when used with the pressurization squeeze bulb (item #175590)
- Bag Spike adapter can also be used to add or withdraw from the bag or bottle

DESCRIPTION	ITEM #
Pressurization Kit	AF48
Pressurization Squeeze Bulb Assembly Includes bulb and three-way stopcock	175590

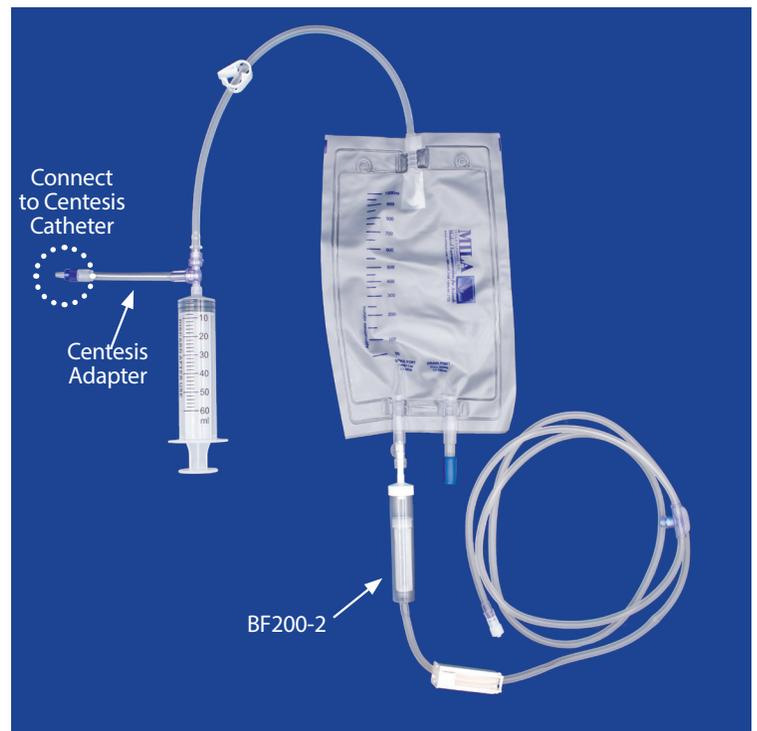


Automatic 3-Way Set for Transfusion/Autotransfusion

- Unique valve allows aspiration and evacuation without disconnecting the syringe and without turning a stopcock
- Automatic 3-way Set includes:
 1. 1000mL collection bag with anti-reflux valve, 38cm/15in drain line with luer lock, pull-down drain port, and spike port for autotransfusion
 2. Centesis adapter with 12cm (5in) of tubing
 3. Female luer lock barbed adapter included for connection to funnel hub tubes or those with an inner diameter of 8mm to 10mm that fits 20-40Fr flared tubes
 4. 60mL syringe
 5. Zip tie
- Attach #BF200-2 to the automatic 3-way set to create a closed, automatic delivery system
- Valve does not induce hemolysis*

DESCRIPTION	ITEM #
High-Flow Blood Administration Set	BF200-2
Automatic 3-way Set	175450

*Data on file at MILA



Small Volume Blood Collection Set

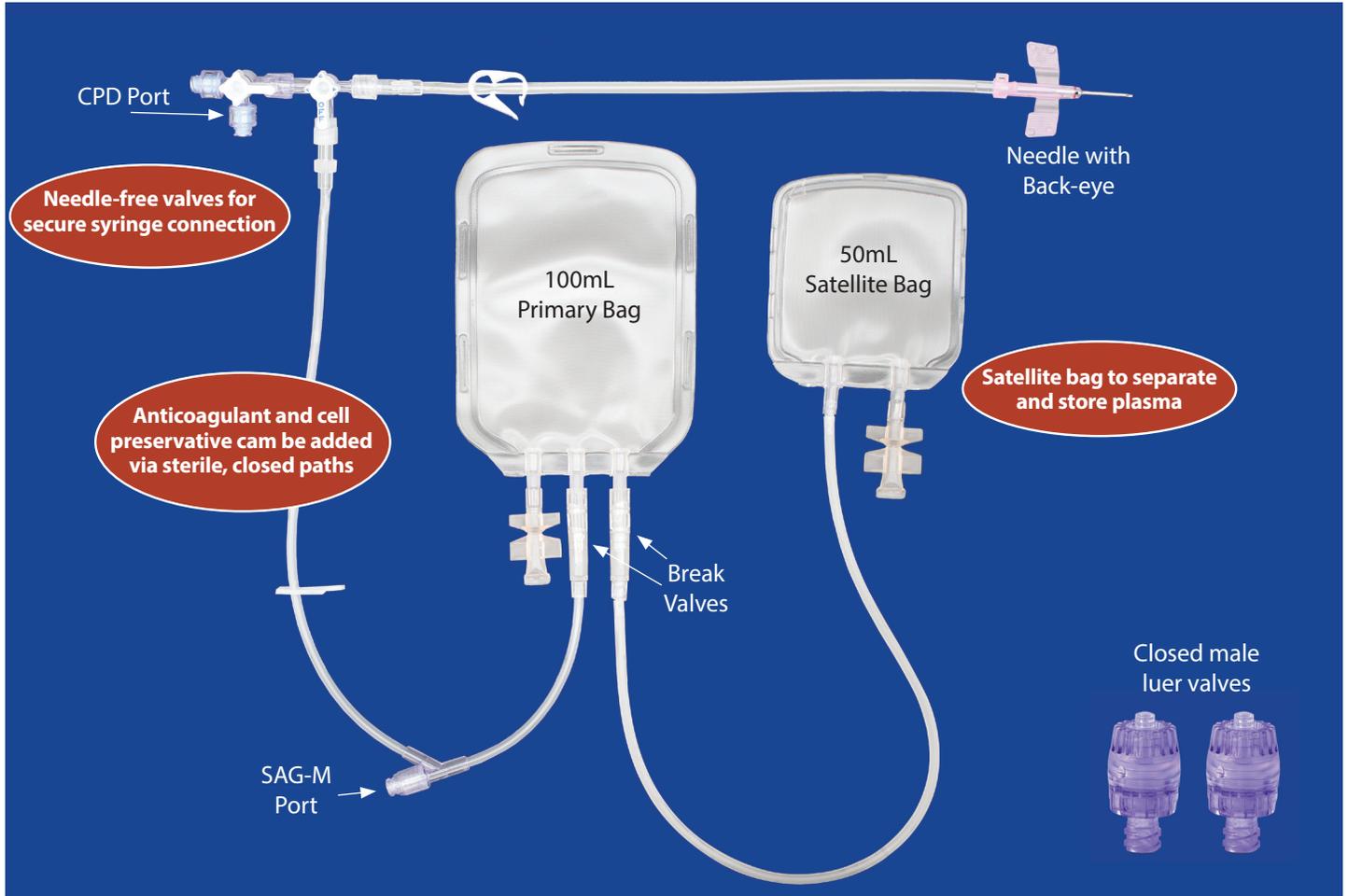
NEW!

Small Volume Blood Collection Set

- Double bag system for component collection and separation - 100mL primary bag and 50mL satellite bag
- Closed male luer valves create a **closed fluid path** for the sterile addition of CPD and SAG-M
- Back-eye on the needle prevents vein collapse and improves flow
- 50mL bags of additives (CPD & SAG-M) reduce waste and risk of contamination
- Each collection set includes two closed male luer valves for sterile additive transfer (see page 94-95 for more information)



NEEDLE SIZE	NEEDLE LENGTH	ITEM #
18Ga	1.0in	BBMINI18
19Ga	0.75in	BBMINI19



Blood Collection Additive Kit

Sealed and sterile additive transfer from bag to syringe

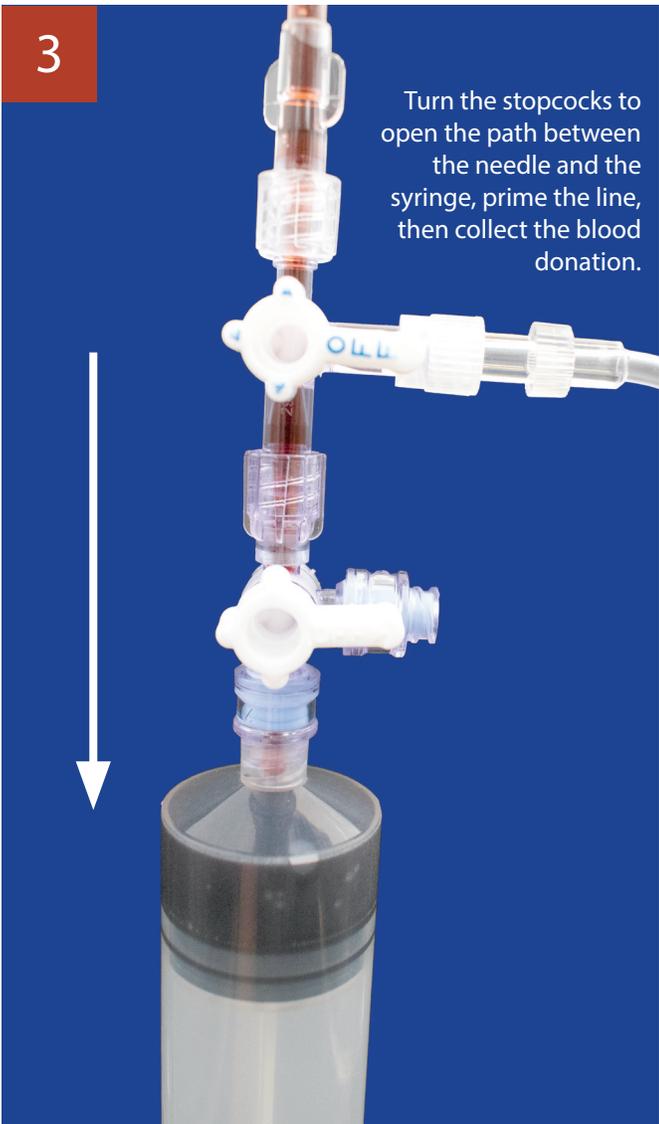
Kit Includes:

1. One 50mL bag of CPD
2. One 50mL bag of SAG-M
3. Two needle-free bag spikes



DESCRIPTION	ITEM #
Additive Kit	BB-ADD

How it works:

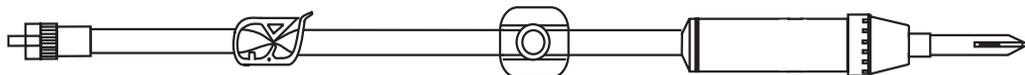


Blood Collection Set

High flow collection set attaches directly to the venous catheter and vacutainer bottle.

- Set includes large bore tubing, injection site, drip chamber, and spin luer lock

LENGTH	PRIMING VOLUME	ITEM #
180cm (72in)	42mL	175484



Equine Joint Infusion

- 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
- Accuracy rate +/- 15%
- Minimum fill volume = 60mL
- Residual volume = 2mL
- Kit includes:
 1. 100mL administration pump
 2. 5Fr (16Ga) crush resistant catheter
 3. 6Fr (14Ga) peel-away introducer
 4. Two crush resistant catheters that provide different flow rate options:
 1. Item #FCT12 is attached to the pump and will deliver medication at 0.8mL/hour
 2. Item #FCT4 is included in the package and will deliver medication at 2.5mL/hour



See MILA website for detailed insertion instructions written by Stephen B. Adams, DVM, MS and Timothy B. Lescun, BVSc

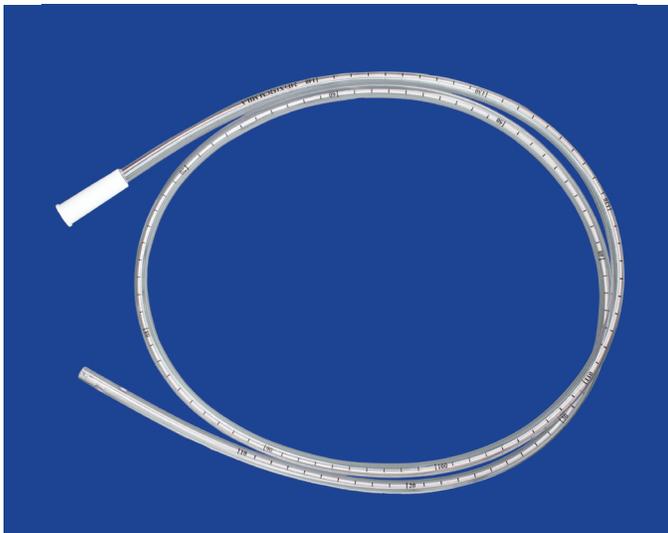
DESCRIPTION	ITEM #
Joint Infusion KIT	9100
Crush Resistant Catheter - 2.5mL/hour	FCT4
Crush Resistant Catheter - 0.8mL/hour	FCT12
0.2-micron filter (10 pack)	2420

Foal Gastric Lavage Catheter

NEW!

- Non-leaching, non-irritating, latex-free polymer (PVC hybrid) construction that becomes firm when cold and softens with body temperature
- Clear catheter body designed to easily visualize contents within catheter
- Radiopaque pink stripe eliminates need for contrast
- Smooth, polished, open tip with staggered eyelets help maintain tip strength during insertion and promote efficient drainage
- Funnel hub for connection to catheter-tip syringe
- Centimeter markings for precise depth placement

SIZE	LENGTH	ITEM #
24Fr	152cm (60in)	PP2460



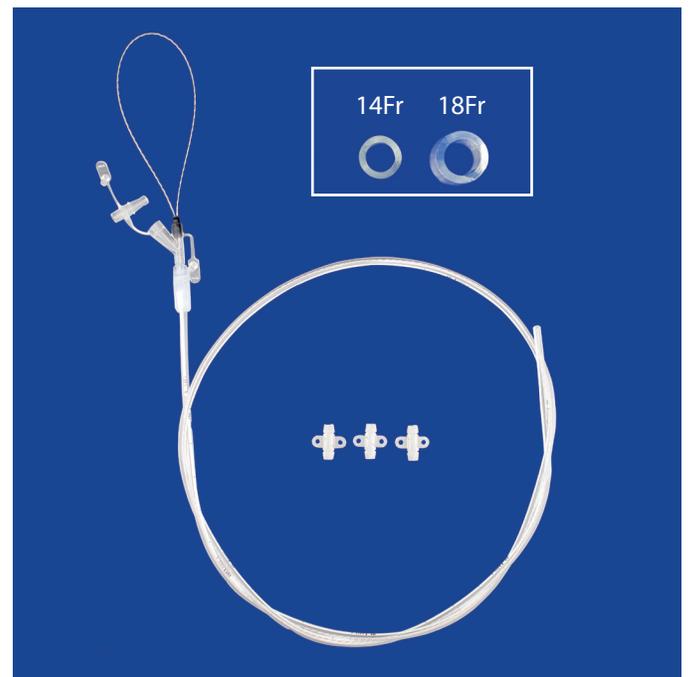
Large Animal Nasogastric Feeding Tubes

- Use for gastric decompression and enteral feeding
- Non-irritating polyurethane with radiopaque stripe
- Stylet to facilitate insertion
- Centimeter markings
- Y-port for feeding, medicating, and flushing
- LENGTH ADJUSTABLE AFTER PLACEMENT by cutting the proximal end and replacing Y-port



SIZE	LENGTH		ITEM #
14Fr	125cm (50in)	FOALS	NG1450
18Fr	250cm (100in)	ADULTS	NG18100

Length adjustable AFTER placement with removable Y-Port





Large Animal Trans-Tracheal Wash Kit/TTL

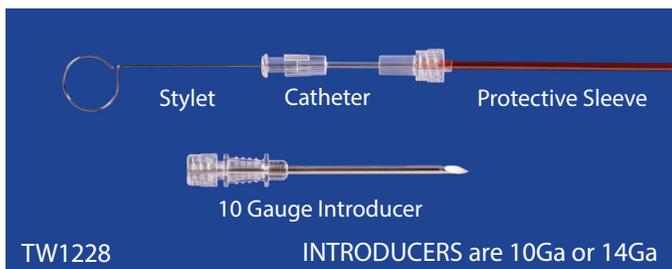
Percutaneous catheter-over-needle insertion method into the trachea. The semi-rigid flushing catheter has a stylet and luer adapter. The flushing catheter is packaged in a protective sleeve to allow aseptic handling without a glove.

HORSES/FOALS

SIZE	LENGTH	INTRODUCER	ITEM #
12Ga	70cm (28in)	10Ga	TW1228

NEONATE FOALS/LARGE DOGS

SIZE	LENGTH	INTRODUCER	ITEM #
16Ga	70cm (28in)	14Ga	TW1628

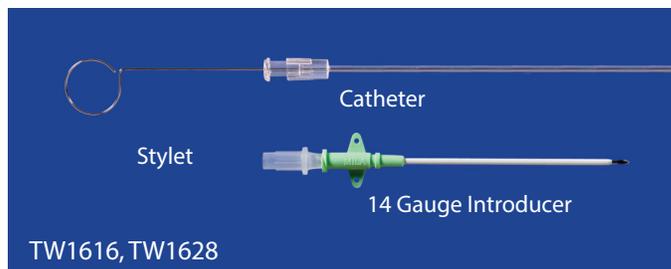


Small Animal Trans-Tracheal Wash Kit/TTL

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 aseptic handling.

MEDIUM/LARGE DOGS

SIZE	LENGTH	INTRODUCER	ITEM #
16Ga	41cm (16in)	14Ga	TW1616
16Ga	70cm (28in)	14Ga	TW1628

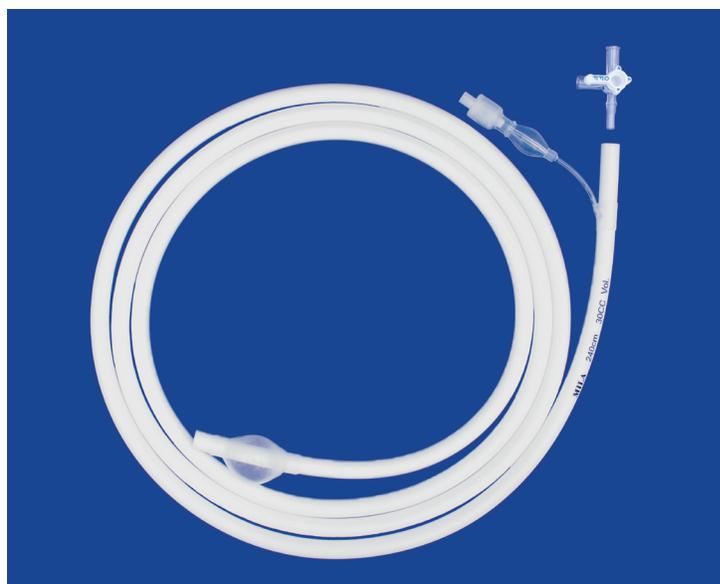


Large Animal Bronchoalveolar Lavage Catheter (BAL)

- Open-end, silicone, radiopaque, heavy wall tube for lavage via the nasotracheal route
- Distal 30mL balloon cuff can be inflated to prevent retrograde fluid flow around the tube and help stabilize the placement
- Both aspiration and irrigation syringes can be attached to the stopcock at the same time (one stopcock included)
- Sterilization with EO gas is recommended for reuse - replacement 3-way stopcock (item #2400) is required

SIZE	OD	ID	LENGTH	ITEM #
24Fr	8mm	2.5mm	200cm (79in)	BAL200
30Fr	10mm	2.5mm	240cm (96in)	BAL240
30Fr	10mm	2.5mm	300cm (120in)	BAL300
Replacement Stopcock (10 pack)				
RECOMMENDED				2400

Controlled Flushing Set - to administer flush aliquots from a IV bag rather than multiple syringes. - see page 112



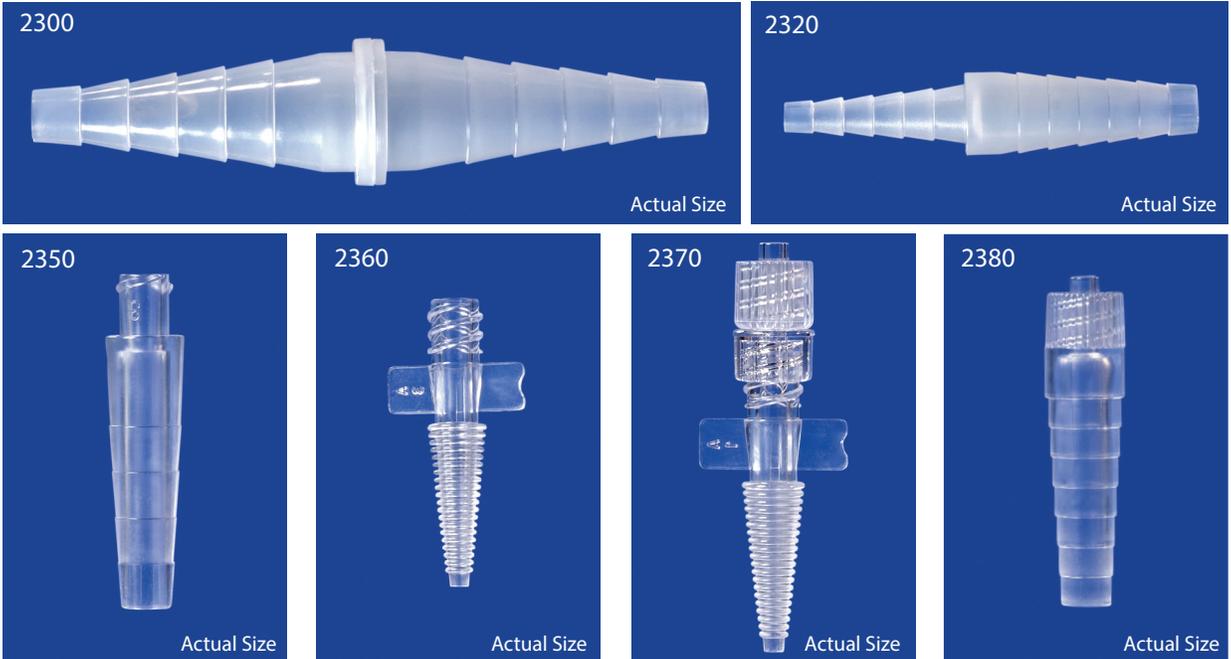
Accessories and Components

Barbed Adapters

Each individually packed and sterile.

DESCRIPTION	FITS TUBE SIZES	BOX QTY	ITEM #
Dual End Barbed Adapter	7.5-15mm	10	2300
Dual End Barbed Adapter	Small end 4.5-7.5mm/Large end 7-11mm	10	2320
Barbed adapter with female luer	7mm to 10.5mm	10	2350
Barbed adapter with female luer	4mm to 8mm	10	2360
Barbed adapter with male luer	4mm to 8mm (Ideal for oxygen)	10	2370
Barbed adapter with male luer	7mm to 10mm	10	2380

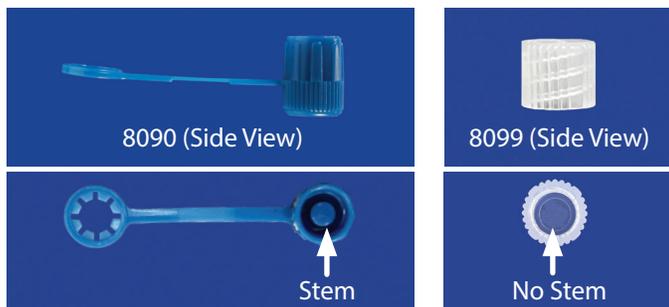
Will it fit?
Place the tubing over the photo to find out!



Caps

- **Tethered Cap** (item #8090) attaches to the catheter or extension hub to cover the injection port. *Not for use with stasis valves or MicroClaves® because internal stem will keep valves open*
- **Stemless Luer Lock Cap** (item #8099) 10 pack, non-sterile. Keeps injection ports clean without opening the valve, works with all needle-free injection ports, including stasis valves

DESCRIPTION	BOX QTY	ITEM #
Tethered Cap	N/A	8090
Stemless Luer Lock Cap	10	8099



No Backflow Valve

- Helps to prevent backflow of fluids and blood during infusion therapy
- Normally closed valve, opens with low pressure

DESCRIPTION	ITEM #
No Backflow Valve	2485



Accessories and Components

Connectors

Each individually packed and sterile.

DESCRIPTION	BOX QTY	ITEM #
Female to Female Luer Connection	10	2440
Male to Male Luer Connection	10	2445
Three female connectors with a rotating male luer lock	10	2460



Pneumatic Y-Connector with SPINNERS

- Durable wide-bore Y-piece
- 3 male luer lock connectors with SPINNERS
- Ideal for splicing bilateral chest tubes or PinkPoly™ catheters used for nasal oxygen therapy (additional adapters may be required)



DESCRIPTION	ITEM #
Pneumatic Y-Connector with SPINNERS	2475

Injection ports

Each individually packed and sterile.

- #8200 - Neutral Displacement Injection Port (Stasis Valve) is a needle-free connector that prevents blood reflux into the catheter, reducing the risk of occlusion and eliminating the need to clamp the line when not in use; the saline flush option reduces risk, cost, and time associated with heparin use (heparin not required); allows for higher flow rate than the MicroClave®
- #8098 - MicroClave® is a normally closed, needle-free connector. Labeled for saline flush (heparin not required)
- #8095 - Normally closed valve 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 needle sticks

DESCRIPTION	ITEM #
Stasis Valve (Neutral Displacement Injection Port)	8200
MicroClave® Needle-Free Injection Port	8098
Normally Closed Valve (includes 8090)	8095
Safety Injection Port	8080



Accessories and Components

0.2 Micron In-Line Bacteria Filter

Each individually packed and sterile.

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

DESCRIPTION	BOX QTY	ITEM #
0.2 Micron Bacteria Filter	10	2420

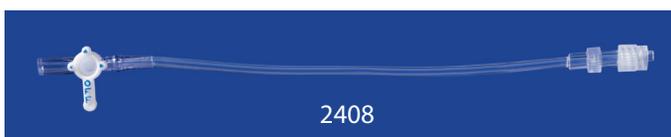


Stopcocks

Each individually packed and sterile.

DESCRIPTION	BOX QTY	ITEM #
Three-way with luer slip	10	2400
Three-way with luer lock	10	2405
Three-way with 8 inch extension	10	2408
Four-way with High Flow Needle-Free Valves	N/A	2412

For Automatic 3-Way, see Centesis Adapters in next column.



Centesis Adapters

DESCRIPTION	ITEM #
Centesis Adapter with Spin Luer Lock	175440NB
Centesis Adapter with total Length 12cm	175450NB
Centesis Adapter with total Length 40cm	175460NB

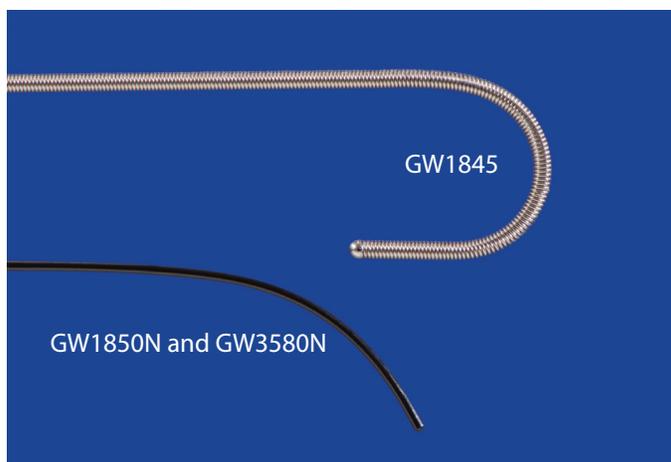
For Automatic 3-Way kits, see page 72.



Guidewires

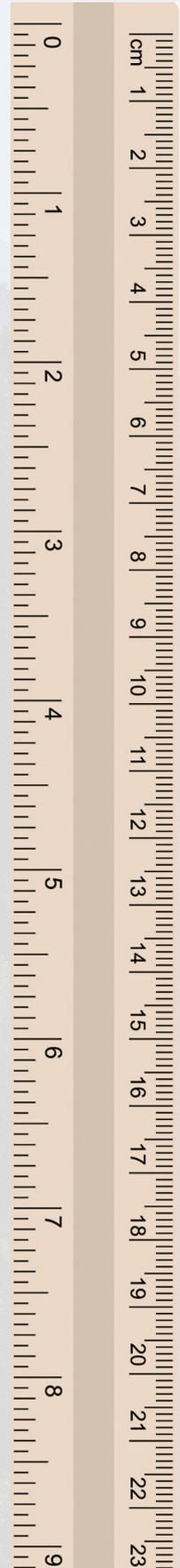
- Item #GW1845 is stainless steel
- Item #GW1850N, GW2170N and GW3580N are hydrophilic-coated nitinol wire with steerable tip

DIAMETER	LENGTH	ITEM #
0.018in	45cm	GW1845
0.018in	50cm	GW1850N
0.035in	80cm	GW3580N



FRENCH GAUGE	OD(mm)	OD(in)
2	22.6	0.6667
2.5	20.8	0.8333
3	19.4	1.0000
3.5	18.5	1.1667
4	17.7	1.3333
4.5	16.8	1.5000
5	15.9	1.6667
5.5	15.0	1.8333
6	14.4	2.0000
6.5	13.8	2.1667
7	13.3	2.3333
7.5	12.8	2.5000
8	12.3	2.6667
8.5	11.8	2.8333
9	11.2	3.0000
9.5	10.7	3.1667
10	10.2	3.3333
	10.5	3.5000
	11	3.6667
	11.5	3.8333
	12	4.0000
	12.5	4.1667
	13	4.3333
	13.5	4.5000
	14	4.6667
	14.5	4.8333
	15	5.0000
	15.5	5.1667
	16	5.3333
	16.5	5.5000
	17	5.6667
	17.5	5.8333
	18	6.0000
	18.5	6.1667
	19	6.3333
	19.5	6.5000
	20	6.6667
	20.5	6.8333
	21	7.0000
	21.5	7.1667
	22	7.3333
	22.5	7.5000
	23	7.6667
	23.5	7.8333
	24	8.0000
	24.5	8.1667
	25	8.3333
	25.5	8.5000
	26	8.6667
	26.5	8.8333
	27	9.0000
	27.5	9.1667
	28	9.3333
	28.5	9.5000
	29	9.6667
	29.5	9.8333
	30	10.0000

GAUGE	FRENCH	OD(mm)	OD(in)
10	10.2	3.4040	0.1340
11	9.1	3.0480	0.1200
12	8.3	2.7690	0.1090
13	7.2	2.4130	0.0950
14	6.3	2.1080	0.0830
15	5.5	1.8290	0.0720
16	5.0	1.6510	0.0650
17	4.4	1.4730	0.0580
18	3.8	1.2700	0.0500
19	3.2	1.0670	0.0420
20	2.7	0.9081	0.0358
21	2.4	0.8192	0.0323
22	2.1	0.7176	0.0283
23	1.9	0.6414	0.0253
24	1.7	0.5652	0.0223
25		0.5144	0.0203
26		0.4636	0.0183
27		0.4128	0.0163
28		0.3620	0.0143



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12-007	95	8099	17/27/33/37/124	8V0002	111	DIFF6	53	ETUN30	63
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12-055	96	8518M	31	BAL240	79/123	E1030	62	EZ1545	20
1211	24	8530M	31	BAL300	79/123	E1413	62	EZC-S	20
1212	25	8540	30	BBMINI18	118	E1430	62	EZPD-3	20
1212F	25/71	8541	30	BBMINI19	118	E1450	62	EZTN15	20
1402	25	8544	34	BB-ADD	118	E1808	75/99	EZTN25	20
1403	24	8545	32	BE1012	65	E1830	62	EZTN45	20
1404	25	8550M	34	BE1415	65	E2008	75/99	FB500	56/59
1404F	25/71	8560	30	BE1420	65	E2103	75/99	FB1000	56/59
1411	24	8570	32	BE1825	65	E2104	75/99	FCT4	101/120
1412	25	8570M	32	BE1830	65	EDC190	78/106	FCT12	101/120
1412F	25/71	8572	33	BE18MI	63/65	EDC200	78/106	FM2000	49/97
1603	24	8572M	33	BE22MI	63/65	EDC220	78/106	FM2400	49/97
1604	25	8573M	32	BE26MI	63/65	EDC400	78/106	FM2800	49/97
1604F	25/71	8574M	34	BE-ACC	65	EMAC700	78/106	FMRB	49/97
1611	24	8575	33	BE-BIG60	65	EMAC700L	78/106	FTE60	35/58
1612	25	8575M	33	BF15	114	EMAC800	78/106	FTE60-EF	59
1804	25	8577M	32	BF150	114	EP810	106	FTE60-EFF	59
1804F	25/71	8584M	34	BF18	114	ERD-235	107	FTS18	108
1806	98	8585	30	BF200-2	116/117	ETA25	90	G050	77
1808	98	8585M	30	BF200-3	116	ETA30	90	G100	77
1810	98	8587M	34	BF200-4	116	ETA35	90	G150	77
1811	24	8590	31	BL11	51/76	ETA40	90	G200	77
1903	98	8590M	31	BL8	51/76	ETA50	90	G400	77
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2320	55/124	8700	31	BMAN18	20/38	ETC35R	83	GDV3L	52
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2380	55/124	91110	23	BN1608	38	ETC55R	83	GW3580N	16/126
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2405	126	9206	53	BS515	77	ETC65R	83	H5300	68
2408	35/126	9500	107	BS715	77	ETC70R	83	HDL1216	50
2412	126	9510	107	BS1015	77	ETC75R	83	HDL1225	50
2420	53/101/120/126	175042	71	CFS36	79/105/112/123	ETC80R	83	HDL716	50
2440	125	175044	71	CG100	69	ETC85R	83	HDL814	50
2445	125	175052	71	CG150	69	ETC90R	83	HDL816	50
2460	125	175054	71	CG200	69	ETC95R	83	IC2475	26
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2675	25	175255	95/96/113	CT1206	66	ETC655	82	IC1801	26
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3360	19	175380	70	CT1215	67	ETC855	82	IC60	93
3460	19	175420	68	CT12Fr16	66	ETC955	82	IC70	93
3560	19	175425	68	CT1404	66	ETC1055	82	IC80	93
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4206.5	16	175480	35	CTT12S	67	ETCZ-12-F	84	IV1848	26
5380	91	175484	120	CTT14S	67	ETCZ-14	84	IVBA	22/109
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5400K	39	175493	102	CTT20	67	ETE0880	91	J836	57
6612	100	175497	112	CTT24	67	ETE10150	91	J1036	57
6613	100	175498	112	CTT28	67	ETE1080	91	JP4	76
6615	100	175499	112	CTT32	67	ETE1580	91	JP7	76
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NBMP	74	OCRN	105	SA1815	9	TTCIC50	93		
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NG1036W	60	OCS-2	104	SA1915-PI	15	TTCIC80	93		
NG1043	60	OCSA	105	SA1925	9	TTNC25	93		
NG1043W	60	OEC-1516	53	SA1925-PI	15	TTNC30	93		
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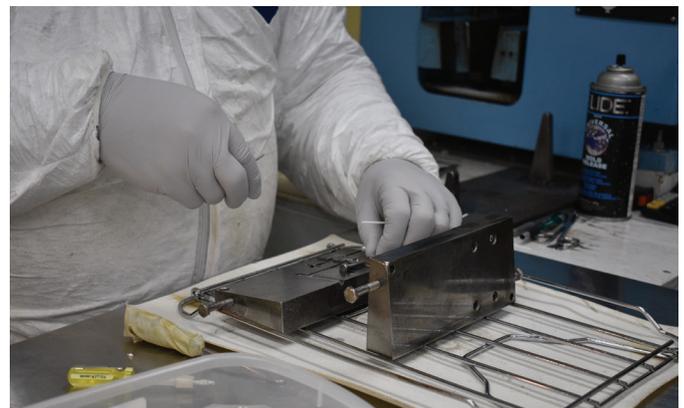
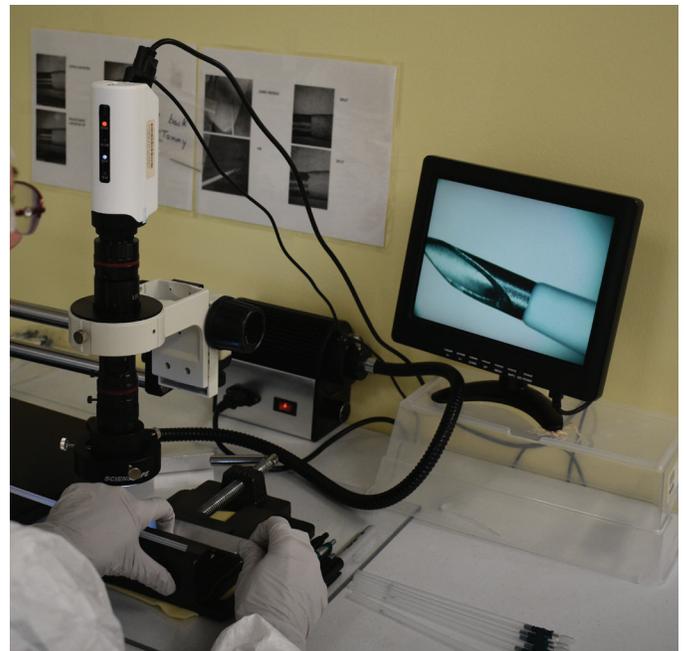
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