NORFOLK VET PRODUCTS

SUB™ 3.0

A Subcutaneous Ureteral Bypass System

the SUB™ • a subcutaneous ureteral bypass system • making life easier for pets and vets •

The *New and Improved* Therapeutic Option for Dogs & Cats to Bypass Ureteral Obstructions

Designed and Developed in Collaboration with Veterinarians

Since the SUB™ system was first introduced in 2009, we have consistently strived to provide the best possible solution for cats and dogs worldwide. Redesigned to reduce some of the most common complications seen in prior SUB™ devices, the SUB™ 3.0 consists of one or two locking loop pigtail catheters placed in the kidney(s), one straight catheter placed in the bladder, a subcutaneous titanium SwirlPort™, and a "Y" or "X" Connector junction for securing the catheters. The SUB™ 3.0 is packaged as a sterile kit, complete with several components (see back for details and ordering information) and instructions for use for your convenience.

FEATURES AND BENEFITS

System

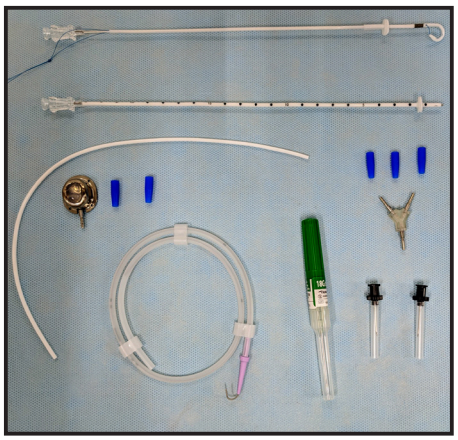
- Reduces procedure time
- Minimizes subcutaneous dissection
- Easier device exchange (if needed)
- Reduces incidence of kinks, clots and mineralization

SwirlPort™

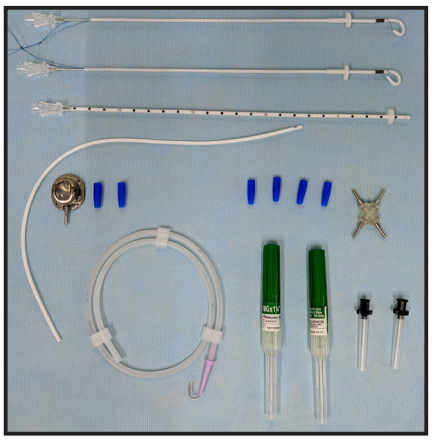
- Low-profile
- Light weight
- Spherical chamber provides superior flow

Locking-Loop Catheter

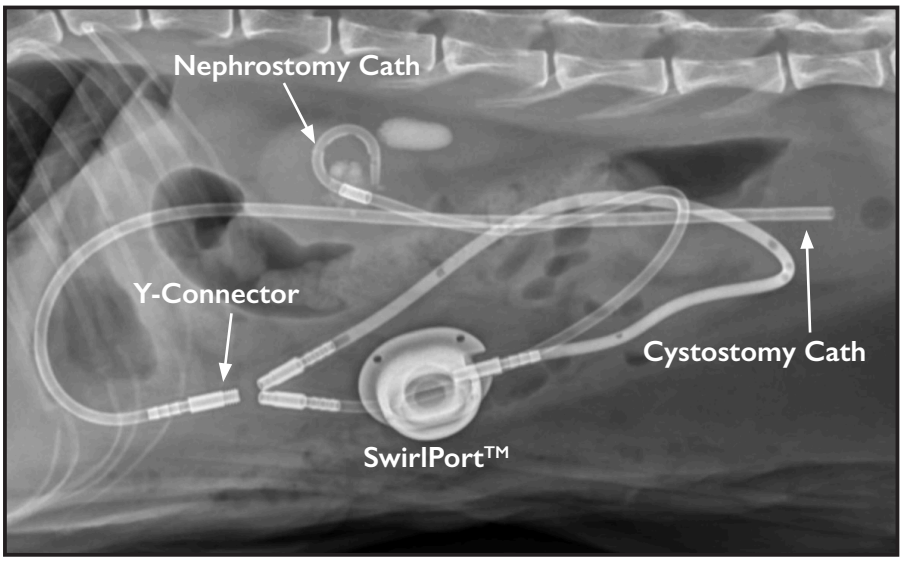
- Custom design with small, 8mm diameter locking pigtail
- Gradually tapered tip reduces trauma and eases insertion
- Metal stiffening cannula eases placement in kidney and bladder
- Radiopaque, medical grade plastic with embedded marker band ensures visibility under fluoroscopy
- Silicone/Dacron Cuff secures catheters and prevents dislodgement



SUB™ 3.0 w/Y-Connector (SUB3-2001K)



SUB™ 3.0 w/X-Connector (SUB3-3001K)



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ORDERING INFORMATION

for Veterinary Use Only
Covered Under Patents:
US 8808261 B2
US 9072881 B2
Additional Patents Pending

SUB™ 3.0 KITS (1 KIT PER BOX)

Catalog Number	Description
SUB3-2001K for use in cats and small dogs	- 1 x 6.5F x 20cm Locking Loop Catheter with Stiffening Cannula - 1 x 7F x 23.1cm Bladder Catheter with Stiffening Cannula - 1 x 7F x 30cm Polyurethane Catheter Tubing - 1 x Low-Profile SwirlPort™ - 1 x ***3-way "Y" Connector*** - 1 x 18G Over-the-Needle Catheter - 1 x 0.035" J-Tip Guidewire - 5 x Blue Boot Catheter Connectors - 2 x 22G x 0.75" Posi-Grip Huber Point Needle - Surgical Instructions
SUB3-2002K for use in larger dogs	- 1 x 6.5F x 35cm Locking Loop Catheter with Stiffening Cannula - 1 x 7F x 38.1cm Bladder Catheter with Stiffening Cannula - 1 x 7F x 30cm Polyurethane Catheter Tubing - 1 x Low-Profile SwirlPort™ - 1 x ***3-way "Y" Connector*** - 1 x 18G Over-the-Needle Catheter - 1 x 0.035" J-Tip Guidewire - 5 x Blue Boot Catheter Connectors - 2 x 22G x 0.75" Posi-Grip Huber Point Needle - Surgical Instructions
SUB3-3001K for use in cats and dogs, typically for obstructive neoplasia	- 2 x 6.5F x 20cm Locking Loop Catheter with Stiffening Cannula - 1 x 7F x 23.1cm Bladder Catheter with Stiffening Cannula - 1 x 7F x 30cm Polyurethane Catheter Tubing - 1 x Low-Profile SwirlPort™ - 1 x ***4-way "X" Connector*** - 2 x 18G Over-the-Needle Catheter - 1 x 0.035" J-Tip Guidewire - 6 x Blue Boot Catheter Connectors - 2 x 22G x 0.75" Posi-Grip Huber Point Needle - Surgical Instructions

ACCESSORIES (NOT INCLUDED IN SUB™ 3.0 KITS)

Catalog Number	Description
GLUture	Sterile Tissue Adhesive - 1.5mL with 10 applicators
DC-7	Male-to-Male Barbed Adaptor - Dual-Connector Pin - 7 French
SFK-22 / SFK-20	SUB™ Flush Kit (Case of 5)
TFL-1202	T-FloLoc™ - 2mL 2% tetra-EDTA soln. in 12mL Syringe (box of 10)

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