



sumius



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 **SUMITOMO BAKELITE CO., LTD.**



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6. Ileus Tube

Cardiac Surgery

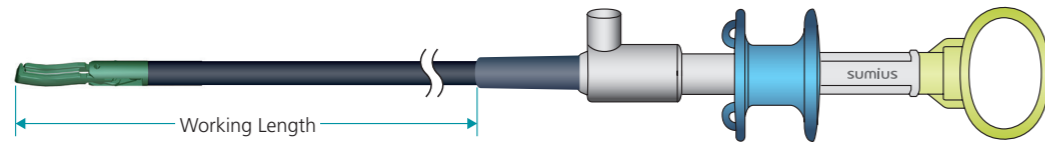
1. Tentacles
2. Aortic Balloon Catheter
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Other

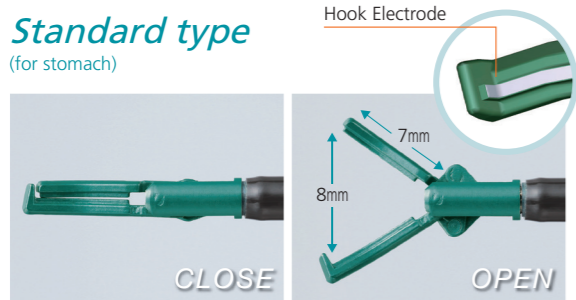
1. U-Container

SB Knife™ Monopolar ESD knife

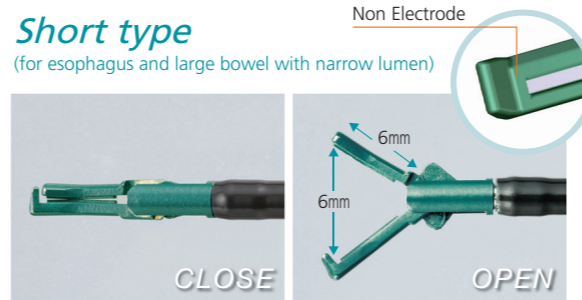
Application : Endoscopic Submucosal Dissection



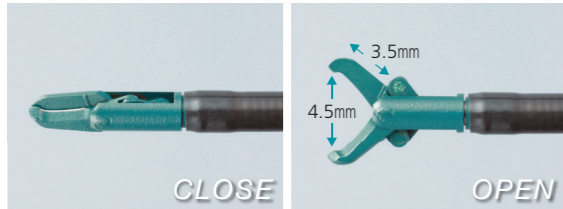
Standard type (for stomach)



Short type (for esophagus and large bowel with narrow lumen)



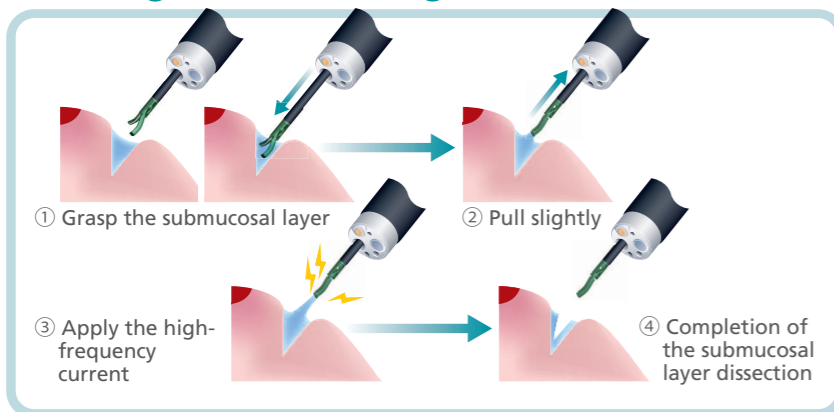
Jr type (for Colon)



Features

1. Non-conductive coating (green part)
- Prevent damage of surrounding tissue.
2. Electrode (silver part) is inside of blade.
- Incise only target tissue and prevent perforation.
3. Blade can be rotated

Dissecting Procedure Using SB knife & SB knife Jr



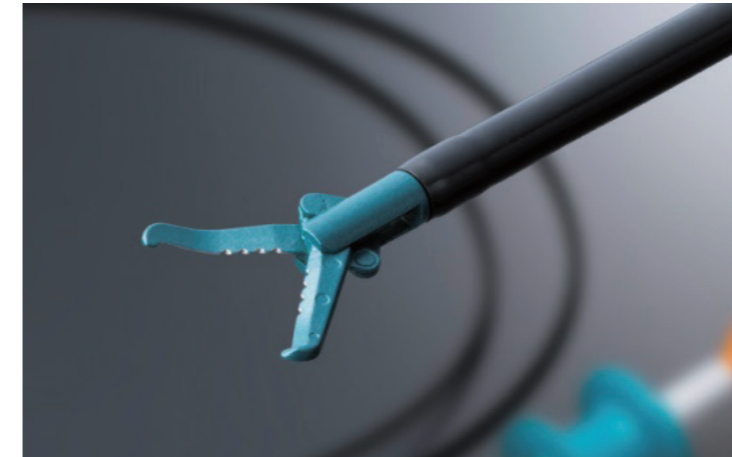
Model Number	Type	Knife Length	Opening Width	Working Length	Compatible Working Channel	Packaging
MD-47706	Standard	7mm	8mm	1800mm	Minimum 2.8mm	1 piece / case
MD-47704	Short	6mm	6mm	1800mm	Minimum 2.8mm	1 piece / case
MD-47703W	Jr	3.5mm	4.5mm	1950mm	Minimum 2.8mm	1 piece / case
MD-47703L	Jr	3.5mm	4.5mm	2300mm	Minimum 2.8mm	1 piece / case

Sterilized with Ethylene Oxide Gas

SB Knife™ Monopolar ESD knife

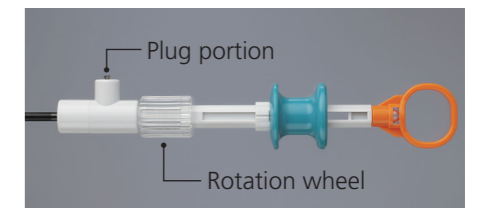
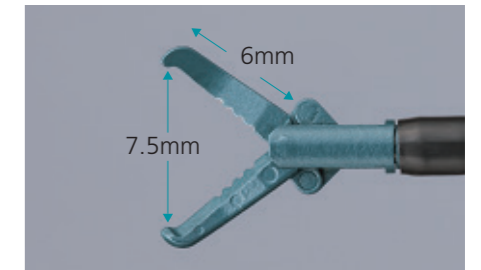
Application : Endoscopic Submucosal Dissection

SB knife "GX Type" (For stomach)



Features

- **Resection & dissection faster than SB knife Jr.**
 - longer blade (6mm)
 - wider opening length (7.5mm)
 - the same sharpness as Jr type due to blade-crossing design just like real scissors
- **Better grip of tissue**
 - Small bumps on the proximal side of blade to reduce possibility of tissues slipping away when grasped
- **Safe design.**
 - Curved tip allows to keep the proper dissecting layer and prevents unexpected muscular layer injury.
- **Easier manipulation by rotation wheel.**
 - Electric cable will not wind around the operating handle during rotating manipulation. Plug portion can rotate separately from the operating handle.



Model Number	Type	Knife Length	Opening Width	Working Length	Compatible Working Channel	Packaging
MD-47701	GX	6mm	7.5mm	1800mm	Minimum 2.8mm	1 piece / case

Sterilized with Ethylene Oxide Gas

SB Hood™

Application : Endoscopic attachment

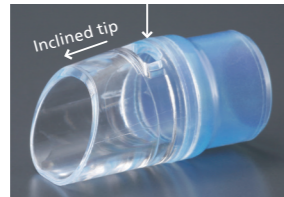
Hard type series (For Upper GI)



Short type
Drainage side Hole



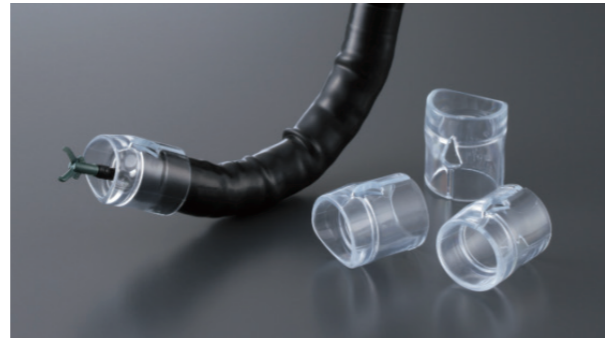
Bottom projection type
Drainage side Hole



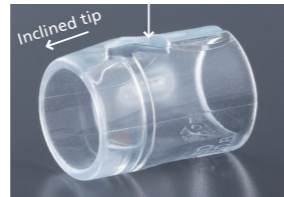
Top projection type
Drainage side Hole



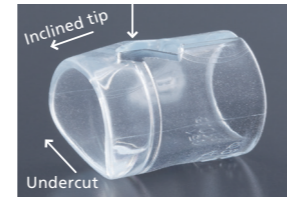
Soft type series (For Upper and Lower GI)



Straight type
Drainage Side Hole



Undercut type
Drainage Side Hole

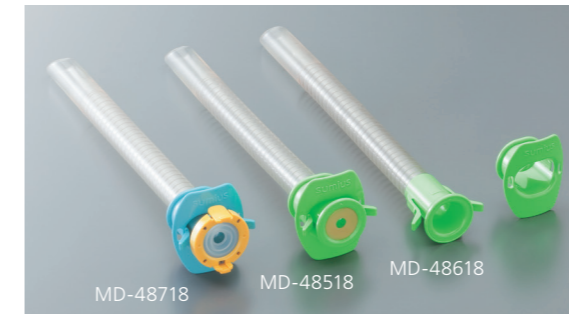


Model Number	Type	Length of Protrusion from Endoscope	Maximum O.D.	Suitable O.D. of Endoscope	Color of Joint	Packaging
MD-47910	Hard Top Projection(TP)	12mm	13.3mm	9.9mm	Clear	12 pieces / case
MD-47920	Hard Bottom Projection(BP)	12mm	13.3mm	9.9mm	Blue	12 pieces / case
MD-47930	Hard Short	4mm	13.3mm	9.9mm	Clear	12 pieces / case
MD-47940	Hard Set of 3 hard types	-	13.3mm	9.9mm	-	12 pieces / case
MD-47950	Soft Straight	6mm	13.0mm	9.9mm - 10.8mm	-	5 pieces / case
MD-47951	Soft Under cut	Top 6mm Bottom 3.5mm	13.0mm	9.9mm - 10.8mm	-	5 pieces / case
MD-47960	Soft Straight	6mm	14.8mm	11.7mm - 12.3mm	-	5 pieces / case
MD-47961	Soft Under cut	Top 6mm Bottom 3.5mm	14.8mm	11.7mm - 12.3mm	-	5 pieces / case
MD-47970	Soft Straight	6mm	15.9mm	12.8mm - 13.2mm	-	5 pieces / case
MD-47971	Soft Under cut	Top 6mm Bottom 3.5mm	15.9mm	12.8mm - 13.2mm	-	5 pieces / case

Sterilized with Ethylene Oxide Gas

Flexible Overtube™

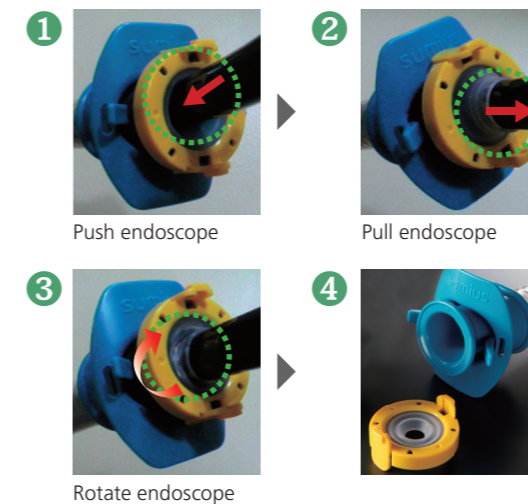
Application : Assistive tool for inserting endoscope, and protect the pharynx.



Common Features

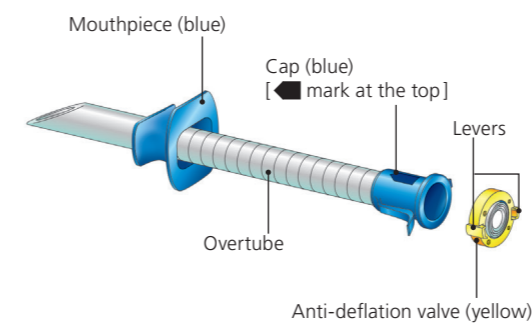
- The tube is reinforced with a stainless steel coil.
- Smaller diameter reinforced tube enables easier insertion with a smooth operation.
- The mouthpiece is easily detachable from the Flexible overtube.

Detachable type feature



1. Detachable anti-deflation valve body due to easy retrieval of large specimens and foreign objects.
2. Provides superior airtightness. (Anti-deflation valve)
 - Ripple structure enables the synchronization with endoscope and maintains airtightness.
3. Maintains endoscopic pathway and flexibility.
 - Metallic coil reinforcement prevents the bending and narrowing of the overtube while keeping its flexibility.
4. One touch handling.
 - Mounting and demounting of the mouthpiece to the overtube.
 - Fitting and detaching of the detachable valve.

Instruction for Overtube



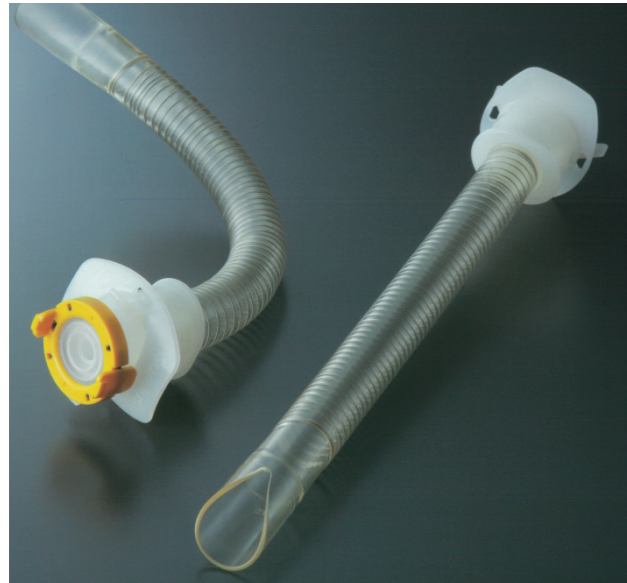
1. Apply lubricant to endoscope, Through the valve and the overtube Place the Mouthpiece in the mouth of the patient.
2. Be advised that the markers [▲] and [▲] on the cap are pointing the shorter side of the obliquely cut tip of the Overtube.
3. Face the shorter side of the Overtube toward the back of the patient.
4. Hold the cap of the Overtube.
5. Insert, by wagging, the Overtube through the Mouthpiece and along the endoscope carefully until it clicks and locks with the Mouthpiece.

Model Number	Anti-deflation valve	I.D.	O.D.	Length	Suitable O.D. of Endoscope	Packaging
MD-48518	Attached	15mm	18mm	195mm	9mm - 12mm	1 piece / case
MD-48618	Non	15mm	18mm	195mm	9mm - 12mm	1 piece / case
MD-48718	Attached (Detachable type)	15mm	18mm	195mm	9mm - 12mm	1 piece / case

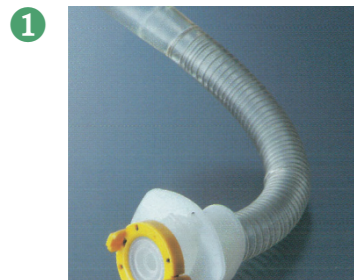
Sterilized with Ethylene Oxide Gas

Flexible Overtube™ Large type

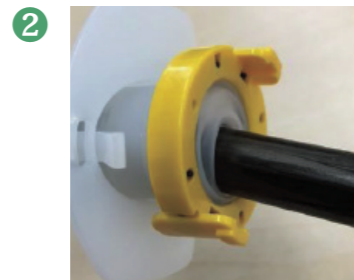
Application : Assistive tool for inserting endoscope, and protect the pharynx.



Features



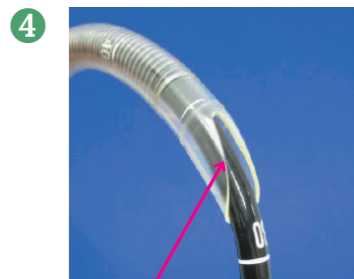
1 Tube designed to be more flexible



2 Ripple structure valve : Prevent air leakage.



3 Detachable valve : Easy to retrieve large specimens & foreign body.



4 Slit on the tip (tiptop will close when its pushed down by endoscope)



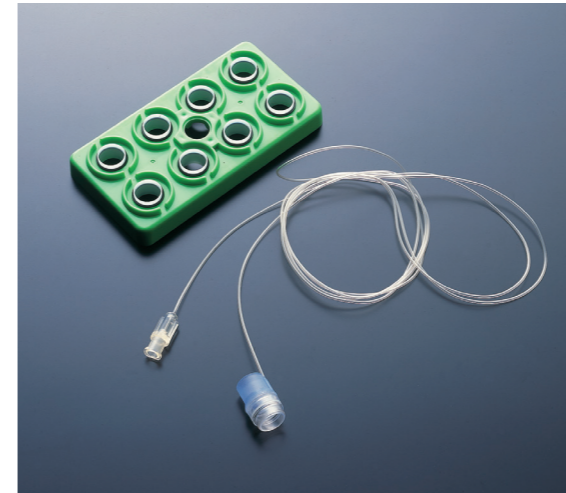
5 Soft tip to be patient friendly

Model Number	Anti-deflation valve	I.D.	O.D.	Length	Suitable O.D. of Endoscope	Packaging
MD-48519	Attached	16mm	19mm	205mm	9mm - 12mm	1 piece / case
MD-48719	Attached (Detachable type)	16mm	19mm	205mm	9mm - 12mm	1 piece / case

Sterilized with Ethylene Oxide Gas

Pneumatic EVL Device

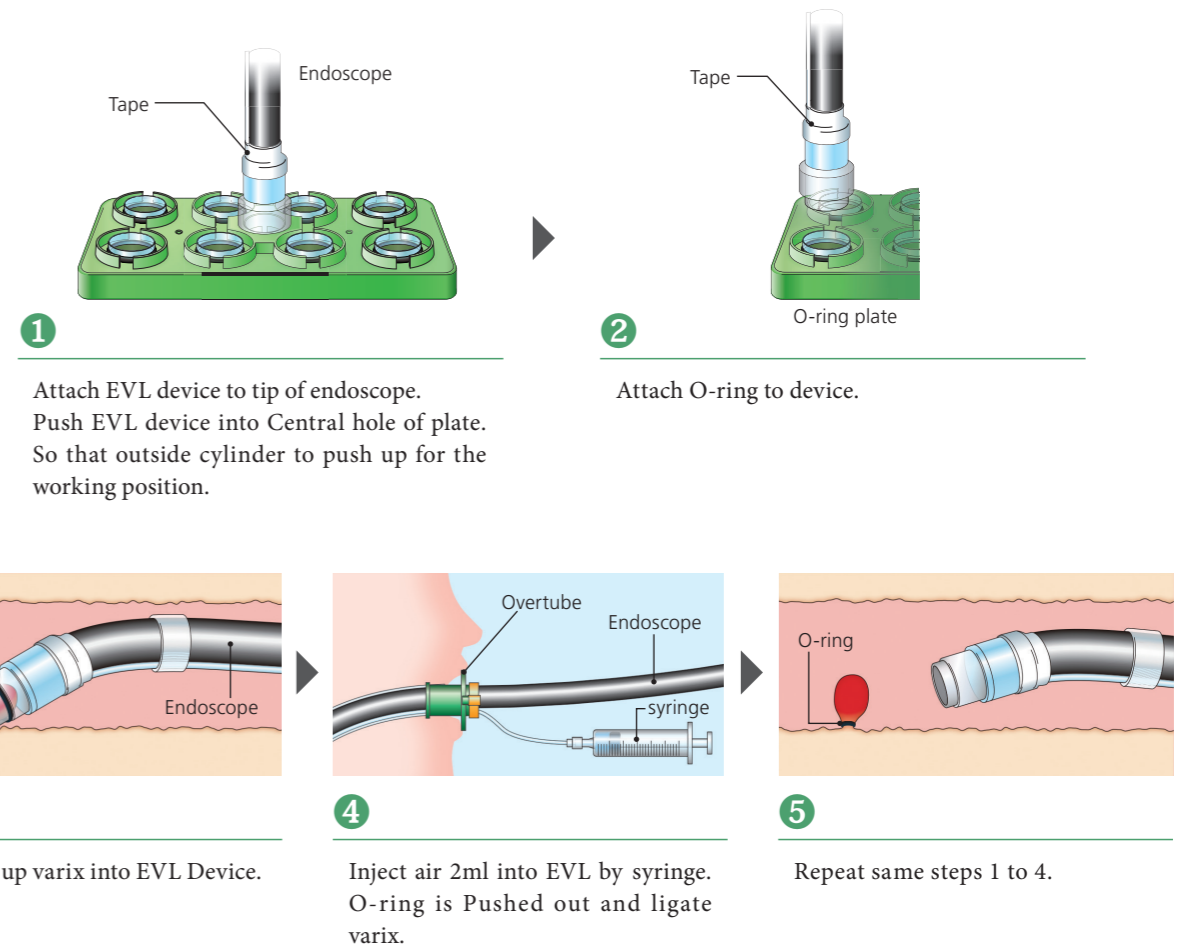
Application : Esophageal Variceal Ligation



Features

- **No trip wire necessary.**
 - Enables accurate ligation even the endoscope is retroflexed.
 - Endoscopic working channel can be always free.
 - The absence of the cylinder hook ensure a wider vision.
- Original pneumatic system for easy ligation.
- Easy O-ring loading by O-ring Plate.
- The transparent device realizes clear vision.

Instruction for EVL Device



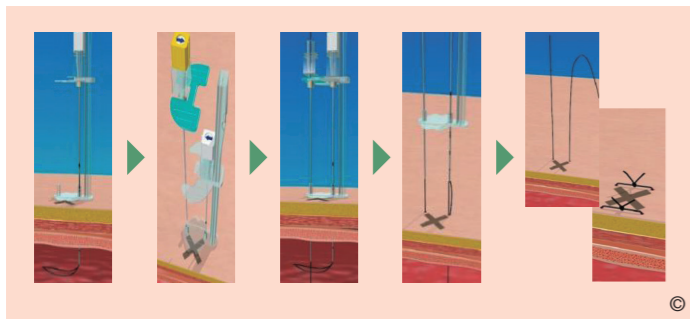
Model Number	Endoscope diameter	Color	Content	Packaging
MD-48709	9.0mm - 10.5mm	Blue	Devicex1 Plate with 8 O-ringsx1	3 sets / case
MD-48710	10.6mm - 12.0mm	White	Devicex1 Plate with 8 O-ringsx1	3 sets / case

Sterilized with Ethylene Oxide Gas

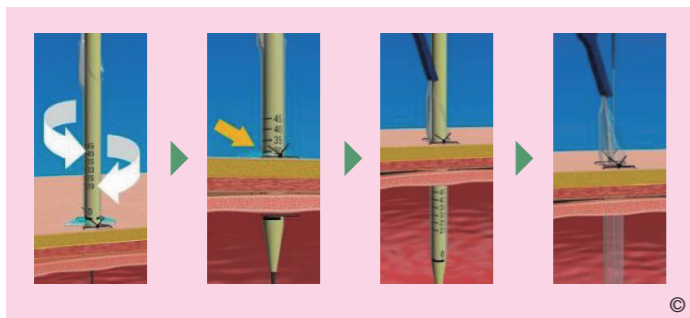
IDEAL PEG Kit™

Application: Percutaneous Endoscopic Gastrostomy

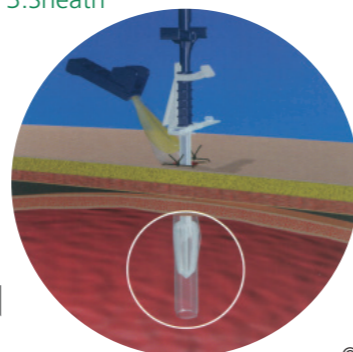
1. Gastropexy



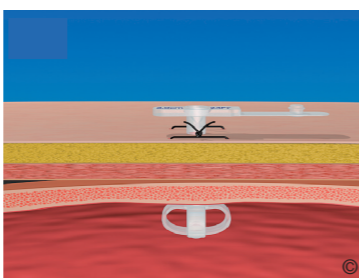
2. Dilator



3. Sheath

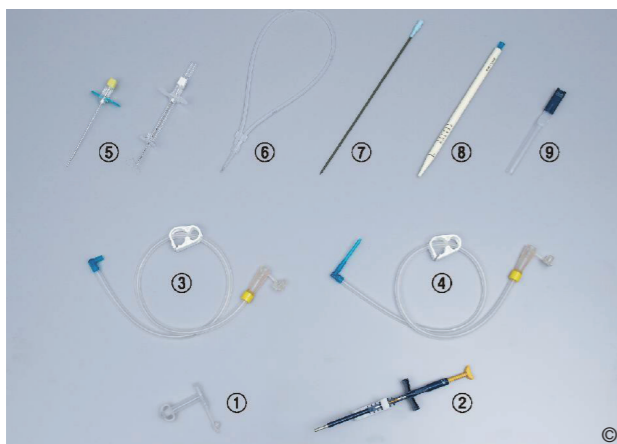


4. Bumper Button



Using our IDEAL PEG Kit™ system, you can insert IDEAL Button directly to stomach, not pass through esophagus.

PEG Button placement kit (24Fr PEG Button)



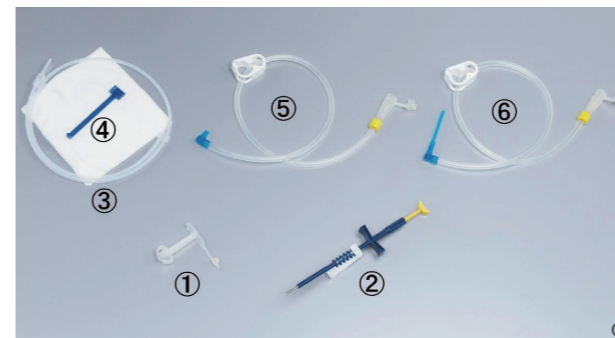
Components

- ① PEG Button(24Fr)
- ② Obturator
- ③ Feeding Tube (Tube Length 60cm)
- ④ Decompression Tube (Tube Length 60cm)
- ⑤ Needle and Threader
- ⑥ Guidewire
- ⑦ Dilator(8Fr)
- ⑧ Dilator(27Fr)
- ⑨ Sheath

Model Number	Button Length	Packaging
MD-43420	2.0cm	1 piece / case
MD-43425	2.5cm	1 piece / case
MD-43430	3.0cm	1 piece / case
MD-43435	3.5cm	1 piece / case
MD-43440	4.0cm	1 piece / case
MD-43445	4.5cm	1 piece / case
MD-43450	5.0cm	1 piece / case

Sterilized with Ethylene Oxide Gas

PEG Button Replacement kit (24Fr)



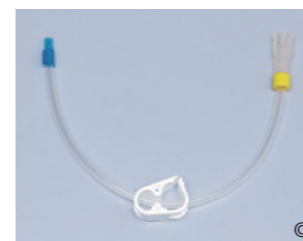
Model Number	Button Length	Packaging
MD-46520	2.0cm	1 piece / case
MD-46525	2.5cm	1 piece / case
MD-46530	3.0cm	1 piece / case
MD-46535	3.5cm	1 piece / case
MD-46540	4.0cm	1 piece / case
MD-46545	4.5cm	1 piece / case
MD-46550	5.0cm	1 piece / case

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Components

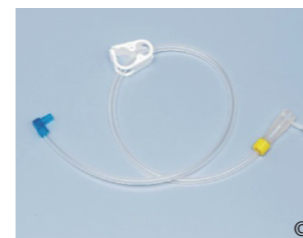
- ① PEG Button(24Fr)
- ② Obturator
- ③ Guidewire
- ④ Measuring device
- ⑤ Feeding Tube (Tube Length 60cm)
- ⑥ Decompression Tube (Tube Length 60cm)

Feeding Tube (For 24Fr PEG Button, Intended for bolus injection use)



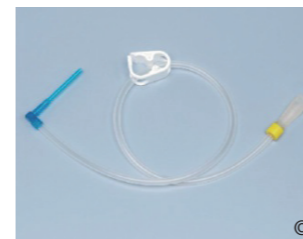
Model Number	Tube Length	Packaging
MD-46502	30cm	50 pieces / case

Feeding Tube (For 24Fr PEG Button)



Model Number	Tube Length	Packaging
MD-46503	60cm	50 pieces / case
MD-46504	30cm	50 pieces / case

Decompression Tube (For 24Fr PEG Button)



Model Number	Comfortable PEG Button size		Packaging
	Length	Placement kit / Replacement kit	
MD-46522	2.0cm	MD-43420 / MD-46520	50 pieces / case
MD-46527	2.5cm	MD-43425 / MD-46525	50 pieces / case
MD-46532	3.0cm	MD-43430 / MD-46530	50 pieces / case
MD-46537	3.5cm	MD-43435 / MD-46535	50 pieces / case
MD-46542	4.0cm	MD-43440 / MD-46540	50 pieces / case
MD-46547	4.5cm	MD-43445 / MD-46545	50 pieces / case
MD-46552	5.0cm	MD-43450 / MD-46550	50 pieces / case

Special thanks to Olympus Corporation for providing all images and photographs in this pamphlet.
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SB Vac series

Application: Drainage after surgery

Bottle



SB Vac
(Two bottles type)



SB Vac Slim

Drainage tube

1. Poly vinyl chloride(PVC) round tube
2. Silicon round tube
3. Super smooth tube

Needle



Two-side bendable
needle



Three-side bendable
needle

SB Vac Slim



Features

- **Easy operation**
 - One push easy start.
 - Reset is also easy.
- **High Quality drainage**
 - Stable and continuous low suction pressure.
- **Secured connection**
 - One touch ring to secure the Y connector tube connection.
 - 1 or 2 tube Selectable joint.
- **Super Smooth Drainage tube**
 - Soft silicon rubber.
 - 2 lumen and bypass holes.



SB Vac

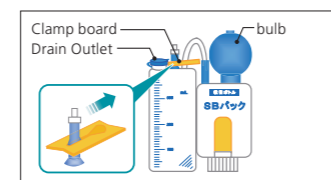


A portable and disposable aspirator which keeps low pressure for drainage control after surgery.

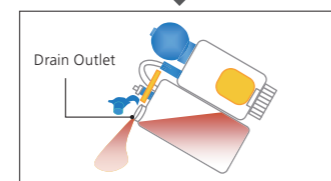
Features

- An epoch-making double bottle system.
- The balloon is inflated by lowering the pressure within the bottles.
- Drainage tubes are available from a wide and varied selection.
- The drainage outlet is wide enough to facilitate the drainage procedure.
- Attachment and detachment of collection bottle and suction bottle can be done with the Velcro by a single touch.

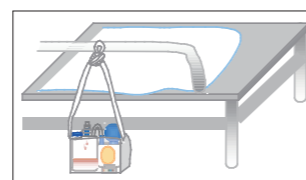
Instruction for use



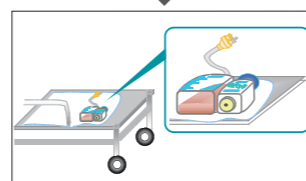
- Suction**
1. Close the clamp board and drain outlet.
 2. Pump blue rubber bulb and inflate a balloon.
 3. Open the clamp board and start the suction.



- Discard**
4. Close the clamp board.
 5. Open the drain outlet.

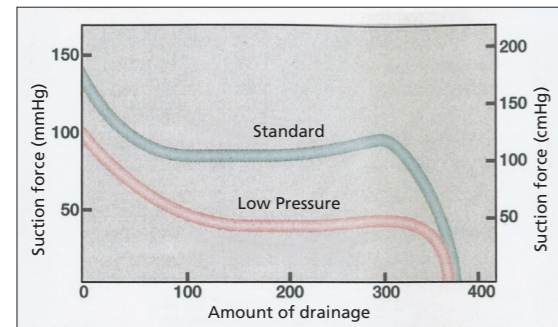


- Control**
1. The bottles are put into the carrying bag, and it is hung so that it may become a position lower than a injured part.

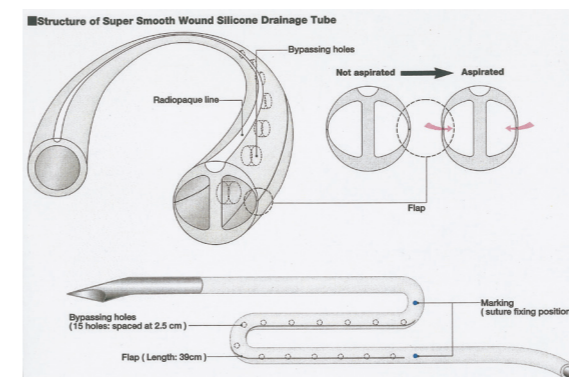


2. If it is necessary to lay it on its side, you have to face up the scale printed side.

suction force



SB Vac Super Smooth



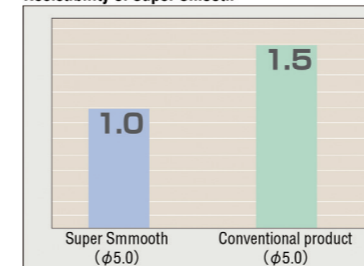
Smooth drainage with bypass holes



Features

- **Smooth intubation**
 - Less stimulation to organs and easy handling because of flexible Silicone rubber Structure. Its symmetrical structure can be used as two tubes by cutting the center of the tube.
- **Smooth drainage performance:**
 - Drainage is ensured because of scientific analysis of previous tube obstruction problems, e.g. , in addition to the unique flap structure, application of two lumens and bypassing holes, made on diaphragm of lumens.
- **Smooth removability:**
 - Smooth surface of external tube by specially designed flap structure alleviates patient discomfort. In addition, scission-resistant property was made by developing seam-free construction using suitable materials derived from silicone rubber.

Resistibility of Super Smooth



SB Vac

Poly vinyl chloride(PVC) round tube type set

Model Number	Capacity	Suction pressure	Drainage tube			Packaging
			O.D.	Needle	Material	
MD-53331	370mL	Normal	3.0mm	Two-side bendable needle	PVC	10 pieces / case
MD-53341	370mL	Normal	4.0mm	Two-side bendable needle	PVC	10 pieces / case
MD-53351	370mL	Normal	5.0mm	Two-side bendable needle	PVC	10 pieces / case
MD-53361	370mL	Normal	6.5mm	Two-side bendable needle	PVC	10 pieces / case
MD-53631	370mL	Low	3.0mm	Two-side bendable needle	PVC	10 pieces / case
MD-53641	370mL	Low	4.0mm	Two-side bendable needle	PVC	10 pieces / case
MD-53651	370mL	Low	5.0mm	Two-side bendable needle	PVC	10 pieces / case

Sterilized with Ethylene Oxide Gas

Silicon round tube type set

Model Number	Capacity	Suction pressure	Drainage tube			Packaging
			O.D.	Needle	Material	
MD-53730	370mL	Normal	3.5mm	Two-side bendable needle	Silicon	10 pieces / case
MD-53750	370mL	Normal	5.0mm	Two-side bendable needle	Silicon	10 pieces / case
MD-53760	370mL	Normal	6.5mm	Two-side bendable needle	Silicon	10 pieces / case
MD-5363S	370mL	Low	3.5mm	Two-side bendable needle	Silicon	10 pieces / case
MD-5364S	370mL	Low	5.0mm	Two-side bendable needle	Silicon	10 pieces / case

Sterilized with Ethylene Oxide Gas

Super smooth tube type set

Model Number	Capacity	Suction pressure	Drainage tube			Packaging
			O.D.	Needle	Material	
MD-53732N	370mL	Normal	3.5mm	Two-side bendable needle	Silicon	10 pieces / case
MD-53752N	370mL	Normal	5.0mm	Two-side bendable needle	Silicon	10 pieces / case
MD-53762N	370mL	Normal	6.5mm	Two-side bendable needle	Silicon	10 pieces / case
MD-53734N	370mL	Normal	3.5mm	Three-side bendable needle	Silicon	10 pieces / case
MD-53754N	370mL	Normal	5.0mm	Three-side bendable needle	Silicon	10 pieces / case
MD-53632N	370mL	Low	3.5mm	Two-side bendable needle	Silicon	10 pieces / case
MD-53652N	370mL	Low	5.0mm	Two-side bendable needle	Silicon	10 pieces / case
MD-53662N	370mL	Low	6.5mm	Two-side bendable needle	Silicon	10 pieces / case
MD-53634N	370mL	Low	3.5mm	Three-side bendable needle	Silicon	10 pieces / case
MD-53654N	370mL	Low	5.0mm	Three-side bendable needle	Silicon	10 pieces / case

Sterilized with Ethylene Oxide Gas

SB Vac Slim

Super smooth tube type set

Model Number	Capacity	Drainage tube			Packaging
		O.D.	Needle		
MD-53832N	200mL	3.5mm	Two-side bendable needle		10 pieces / case
MD-53852N	200mL	5.0mm	Two-side bendable needle		10 pieces / case
MD-53862N	200mL	6.5mm	Two-side bendable needle		10 pieces / case
MD-53834N	200mL	3.5mm	Three-side bendable needle		10 pieces / case
MD-53854N	200mL	5.0mm	Three-side bendable needle		10 pieces / case
MD-53800	-	Drainage tube is not contained, only bottle			5 pieces / case

Sterilized with Ethylene Oxide Gas

Single item

Wound drainage tube(PVC round tube)

Model Number	Drainage tube		Contents	Packaging
	O.D.	Material		
MD-51331	3.0mm	PVC	Two-side bendable needle Y-connector tube	5 pieces / case
MD-51341	4.0mm	PVC	Two-side bendable needle Y-connector tube	5 pieces / case
MD-51351	5.0mm	PVC	Two-side bendable needle Y-connector tube	5 pieces / case

Sterilized with Ethylene Oxide Gas

Silicon round drainage tube

Model Number	Drainage tube		Contents	Packaging
	O.D.	Material		
MD-51535	3.5mm	Silicon	Two-side bendable needle Y-connector tube	5 pieces / case
MD-51555	5.0mm	Silicon	Two-side bendable needle Y-connector tube	5 pieces / case

Sterilized with Ethylene Oxide Gas

Super smooth tube

Model Number	Drainage tube		Contents	Packaging
	O.D.	Material		
MD-51532N	3.5mm	PVC	Two-side bendable needle Y-connector tube	5 pieces / case
MD-51552N	5.0mm	PVC	Two-side bendable needle Y-connector tube	5 pieces / case
MD-51562N	6.5mm	PVC	Two-side bendable needle Y-connector tube	5 pieces / case

Sterilized with Ethylene Oxide Gas

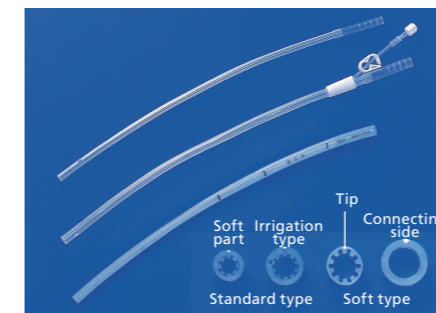
Bottle(Reservoir)

Model Number	Capacity	Remark	Packaging
MD-53300	370mL	Normal pressure	10 pieces / case
MD-53600	370mL	Low pressure	10 pieces / case
MD-03081	-	Y-connector	10 pieces / case

Sterilized with Ethylene Oxide Gas

Pleats Drainage Tube

Application : Surgery



Features

- Combination tube and capillary effects provide excellent drainage.
- The pleated drainage tube assures drainage even if it bends.
- The silicone rubber tube give less irritation to the intestinal tract.
- Wide variety of diameter size.

Model Number	Type	O.D.	Length	Packaging
MD-45006	Standard(without connector)	6mm	36cm	10 pieces / case
MD-45008	Standard(without connector)	8mm	36cm	10 pieces / case
MD-45010	Standard(without connector)	10mm	36cm	10 pieces / case
MD-45105	Standard(with connector)	5mm	40cm	10 pieces / case
MD-45106	Standard(with connector)	6mm	40cm	10 pieces / case
MD-45108	Standard(with connector)	8mm	40cm	10 pieces / case
MD-45110	Standard(with connector)	10mm	40cm	10 pieces / case
MD-45112	Standard(with connector)	12mm	40cm	10 pieces / case
MD-45208	Irrigation	8mm	44cm	10 pieces / case
MD-45210	Irrigation	10mm	44cm	10 pieces / case
MD-45406S	Soft	6mm	40cm	10 pieces / case
MD-45408S	Soft	8mm	40cm	10 pieces / case
MD-45410S	Soft	10mm	40cm	10 pieces / case

Sterilized with Ethylene Oxide Gas

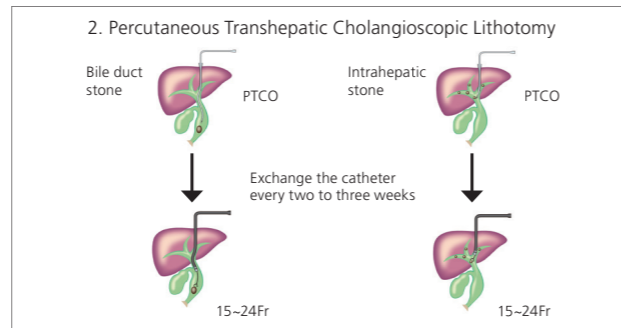
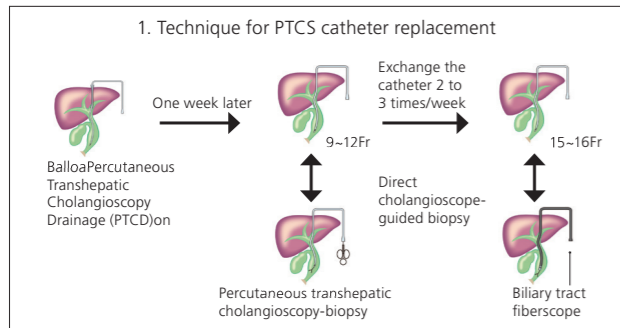
PTCS Catheter

Application : Percutaneous Transhepatic Cholangioscopy



Features

- Flexible polyvinyl chloride for medical use is used to facilitate formation of the wall of external biliary fistula.
- The appropriately tapered tip requires no complicated manipulation for exchanging PTCS catheters.
- The two side holes at the tip prevent obstruction of the lumen during drainage.
- A large variety of French sizes are available to facilitate smooth exchange of catheters (9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24 Fr).
- Radiopaque marking for confirmation of the location of the catheter.



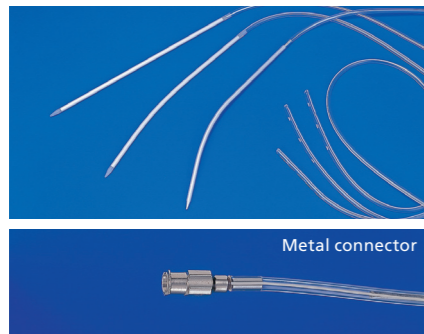
Model Number	Size	Length	Packaging
MD-41909	9Fr	60cm	5 pieces / case
MD-41910	10Fr	60cm	5 pieces / case
MD-41911	11Fr	60cm	5 pieces / case
MD-41912	12Fr	60cm	5 pieces / case
MD-41913	13Fr	60cm	5 pieces / case
MD-41914	14Fr	60cm	5 pieces / case

Model Number	Size	Length	Packaging
MD-41915	15Fr	60cm	5 pieces / case
MD-41916	16Fr	60cm	5 pieces / case
MD-41918	18Fr	60cm	5 pieces / case
MD-41920	20Fr	60cm	5 pieces / case
MD-41922	22Fr	60cm	5 pieces / case
MD-41924	24Fr	60cm	5 pieces / case

Sterilized with Ethylene Oxide Gas

RTBD Tube

Application : Retrograde Transhepatic Biliary Drainage



Features

- Easy intubation into hepatocholangic duct with special aluminum needle which can be bent to proper angle for the procedure.
- Plastic or aluminum obtuse tip with rounding processing which avoids damage to bile duct or hepatic veins.
- Smooth seam which connects needle and tube enables easy retrieval.
- Applicable to PTCB or PTCS, etc., using a vinyl chloride tube which helps formation of fistula.
- Available for transudation test of cholangio-jejunostomized part.

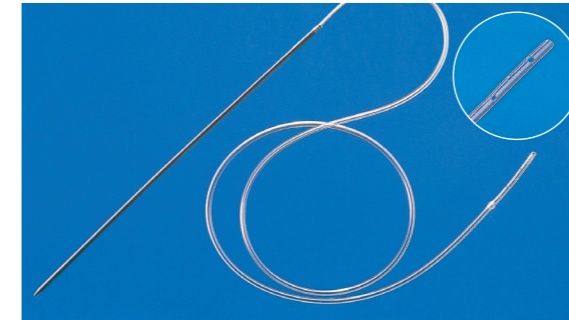
Model Number	Guide needle		Catheter	Packaging
	Size	Material		
MD-41220	2.0cm	Aluminum rod	65cm	5 pieces / case
MD-41225	2.5cm	Aluminum rod	65cm	5 pieces / case
MD-41230	3.0cm	Aluminum tube with plastic rod inside the tube	65cm	5 pieces / case
MD-41235	3.5cm	Aluminum tube with plastic rod inside the tube	65cm	5 pieces / case
MD-41240	4.0cm	Aluminum tube with plastic rod inside the tube	65cm	5 pieces / case
MD-41245	4.5cm	Aluminum tube with plastic rod inside the tube	65cm	5 pieces / case

Model Number	Guide needle		Catheter	Packaging
	Size	Material		
MD-41250	5.0cm	Aluminum tube with plastic rod inside the tube	65cm	5 pieces / case
MD-41330	3.0cm	Aluminum rod	65cm	5 pieces / case
MD-41335	3.5cm	Aluminum rod	65cm	5 pieces / case
MD-41340	4.0cm	Aluminum rod	65cm	5 pieces / case
MD-41345	4.5cm	Aluminum rod	65cm	5 pieces / case
MD-41350	5.0cm	Aluminum rod	65cm	5 pieces / case

Sterilized with Ethylene Oxide Gas

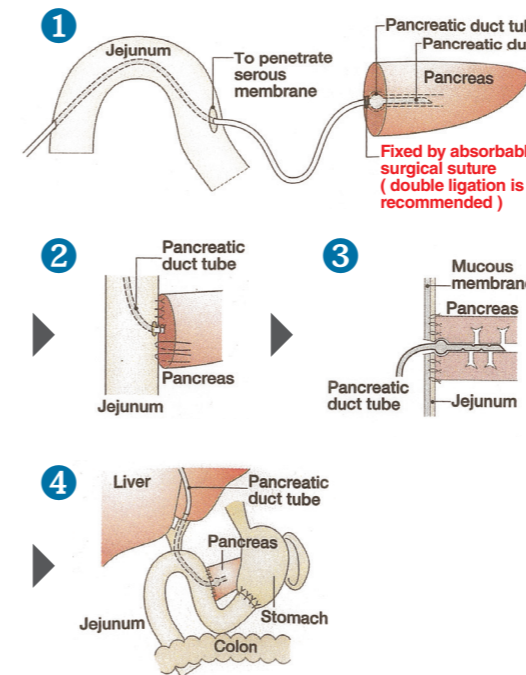
Pancreatic Duct Tube

Application : Pancreaticoduodenectomy



Features

- The bumped tube makes the suture of the tube and the pancreatic duct easy.
- Because the direct anastomosis between the pancreatic duct and the jejunum is unnecessary, the anastomosis between the pancreas and the intestine can be completed safely and easily.
- The tube have optimum hardness for easy insertion, providing sure drainage without damaging the pancreatic duct wall.
- The aluminum needle guide the tube out of the body through intestinal tract. The aluminum needle will bend at any angles.
- Radiopaque marking for confirmation of the location of the catheter.

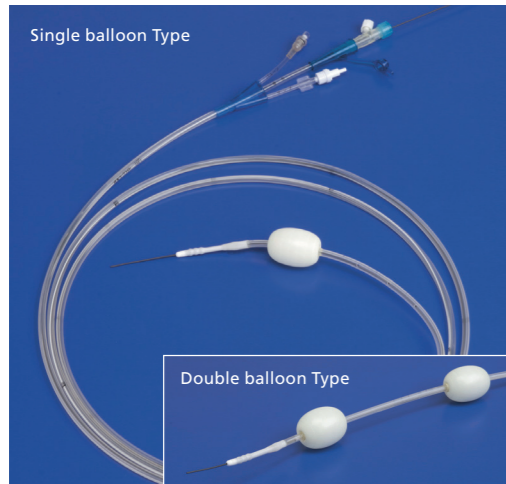


Model Number	Bump	Drainage tube		Packaging
		O.D.	Length to bump	
MD-41513	Yes	Tapered to bump 4 - 6Fr	3.0cm	3 pieces / case
MD-41515	Yes	5Fr(1.7mm)	3.0cm	3 pieces / case
MD-41520	Yes	6Fr(2.0mm)	3.0cm	3 pieces / case
MD-41525	Yes	7.5Fr(2.5mm)	3.0cm	3 pieces / case
MD-41530	Yes	9Fr(3.0mm)	3.0cm	3 pieces / case
MD-41535	Yes	10.5Fr(3.5mm)	3.5cm	3 pieces / case
MD-41540	Yes	12Fr(4.0mm)	3.5cm	3 pieces / case
MD-41545	Yes	13.5Fr(4.5mm)	4.0cm	3 pieces / case
MD-41550	Yes	15Fr(5.0mm)	4.0cm	3 pieces / case
MD-41515L	Yes	5Fr(1.7mm)	5.0cm	3 pieces / case
MD-41520L	Yes	6Fr(2.0mm)	5.0cm	3 pieces / case
MD-41525L	Yes	7.5Fr(2.5mm)	5.0cm	3 pieces / case
MD-41530L	Yes	9Fr(3.0mm)	5.0cm	3 pieces / case
MD-41613	No	Tapered to mark 4 - 6Fr	6.0cm(Mark only)	3 pieces / case
MD-41615	No	5Fr(1.7mm)	6.0cm(Mark only)	3 pieces / case
MD-41620	No	6Fr(2.0mm)	6.0cm(Mark only)	3 pieces / case

Sterilized with Ethylene Oxide Gas

Ileus Tube

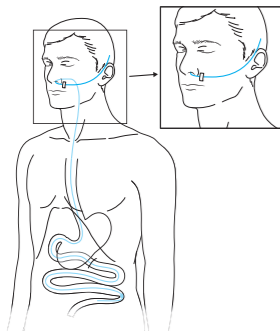
Application : Decompression of Intestinal obstruction



For diagnostics and therapy of Ileus (i.e., intestinal obstruction, obstipation), suitable for aspiration, decompression, and contrast-radiographical arrangement of obstructed part within intestine(enteric canal).

Features

- ILEUS-TUBE (standard type) has a moderate rigidity to hold the shape and facilitate smooth running of guide wire. It also has a flexible end to lessen invasive stimulus to organ.
- ILEUS-TUBE (double balloon type) is composed of 2 silicone balloons which to alternatively perform contrast radiography of the small intestine.
- LUBRI-GUIDE is a guide wire with a hydrophilic coating, which ensures easy insertion into and evulsion from catheters where it can demonstrate its excellent sliding property by only soaking into sterilized physiological saline.



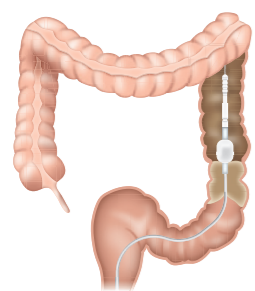
(Long intestinal tube)

Model Number	Tube			Balloon		Guide wire		Packaging
	Tip	Size	Side hole	Type	Inflated balloon size	Capacity	Size	
MD-44076	Closed	16Fr×300cm	7	Single	34mm	30mL	0.049inch×350cm	1 piece / case
MD-44276	Open	16Fr×300cm	7	Single	34mm	30mL	0.049inch×350cm	1 piece / case
MD-44278	Open	18Fr×300cm	7	Single	34mm	30mL	0.049inch×350cm	1 piece / case
MD-44676	Open	16Fr×300cm	7	Double	34mm	30mL	0.049inch×350cm	1 piece / case

Sterilized with Ethylene Oxide Gas

(Transanal long intestinal tube)

Application : Decompression of Intestinal obstruction between descending colon and sigmoid colon



Set

Model Number	Content	Packaging
MD-44358S	Ileus tube(MD-44258S)×1 0.052inch×350cm Guide wire(MD-06A87A)×1	1 set / case

Sterilized with Ethylene Oxide Gas

Guidewire only

Model Number	Size	Coating	Packaging
MD-08A97H	0.049inch×350cm	Hydrophilic coating	1 piece / case
MD-06A87A	0.052inch×350cm	Teflon coating	1 piece / case

Sterilized with Ethylene Oxide Gas

Tube only

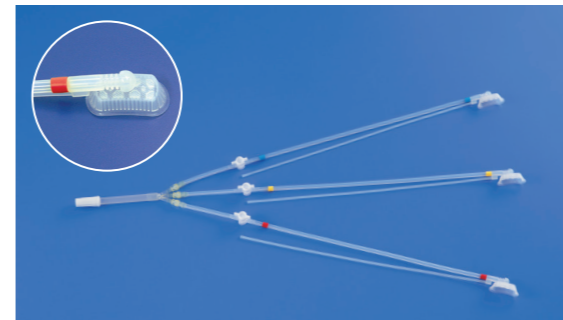
Model Number	Tube			Balloon		Guide wire		Packaging
	Tip	Size	Side hole	Type	Inflated balloon size	Capacity	Size	
MD-44258S	Open	18Fr×130cm	4	Single	30mm	30mL	Not included	1 piece / case

Guide wire : we recommend to use MD-08A97H or MD-06A87A

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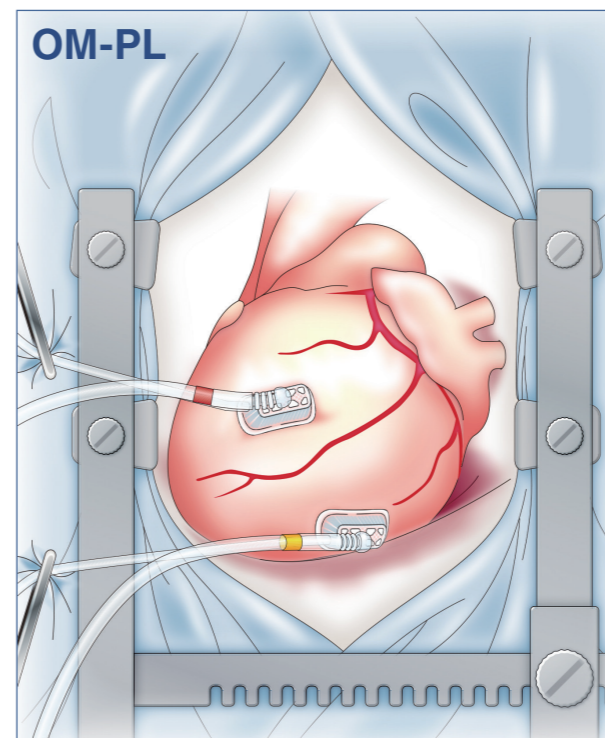
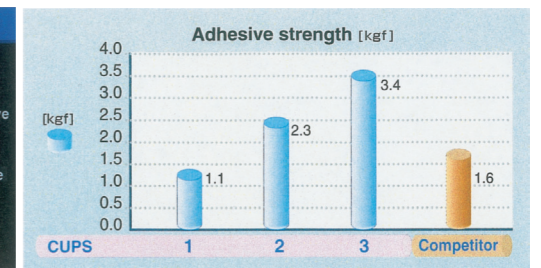
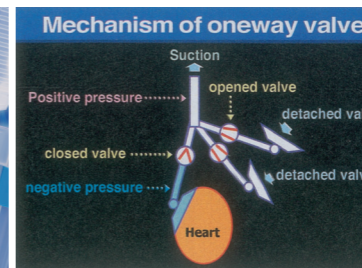
Tentacles

Application : Off pump CABG



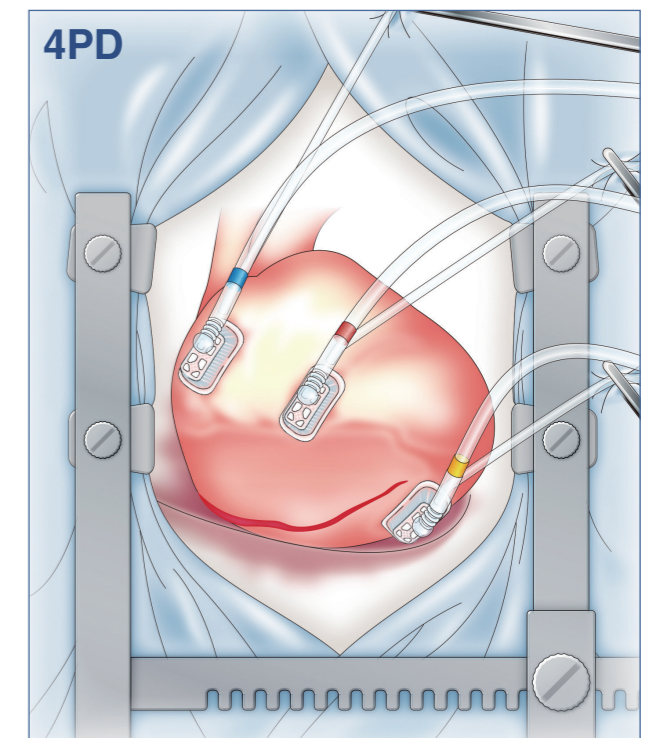
Features

- Multiple adhesion pad with strong adhesion enables sure and stable positioning of the heart.
- Adhesion pad is attachable to any portion of the heart which enables flexible positioning of the heart.
- Free visibility with no restriction.



Attach one cup to inferior wall and another to the lateral wall. Pull to a tangential direction and move the lateral wall to the right side.

By pulling to a tangential direction, left ventricle shape will be maintained. Stable blood flow and wide visibility is secured.



Attach three cups to acute marginal area and inferior wall. Pull to upper left direction.

Model Number	Suction cup	Suction pressure	Content	Packaging
MD-27310	3 cups	(-)300mmHg / (-)40.0kPa	Tentacles×1 3m extension tubex1	1 set / case

Sterilized with Ethylene Oxide Gas

Aortic Balloon Catheter

Application : Aortic aneurysm surgery



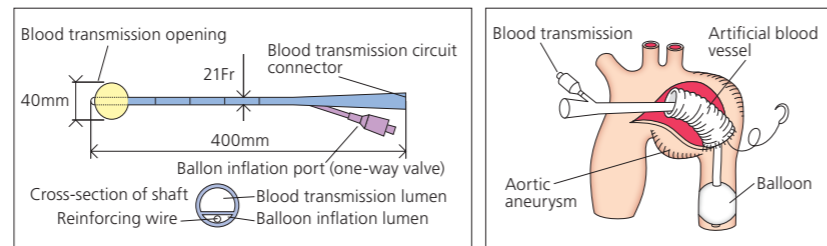
MD-21020S/two-lumen type

To be used in the thoracic descending aorta in aortic aneurysm surgery.

Features

1. This catheter is equipped with a 14 Fr blood transmission lumen and can transmit blood anterogradely in thoracic descending aorta occlusion.
2. This catheter contains reinforcing wire to increase the elasticity of the catheter. The catheter can also be kept bent and thus can secure a favorable surgical field.
3. The balloon has a sufficient diameter (φ40 mm) to occlude the ascending aorta.

Specification diagram



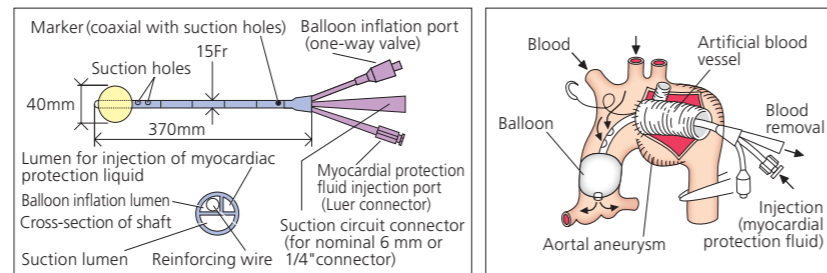
MD-21030S/three-lumen S type

To be used to occlude the ascending aorta in retrograde cerebral circulation surgery and left-side thoracotomy for distal aortic arch aneurysm.

Features

1. The catheter is equipped with a lumen for injection of myocardial protection liquid. (Flow rate: 150-253 ml/min)
2. Equipped with a suction lumen, the catheter can suction and remove the blood outflowing into the surgical field. This catheter contains reinforcing wire to increase the elasticity of the catheter. The catheter can be kept bent and thus can secure a favorable surgical field.
3. The balloon has a sufficient diameter (φ40 mm) to occlude the ascending aorta.
4. The marker (●) at the base of the catheter indicates the direction of the suction hole.

Specification diagram



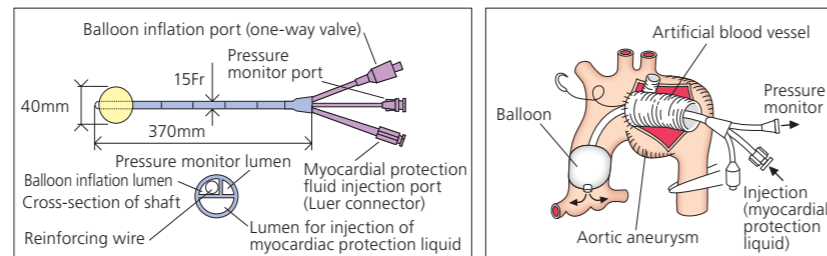
MD-21040S/three-lumen M type

To be used to occlude the ascending aorta in aortic arch aneurysm surgery.

Features

1. The catheter is equipped with a lumen for injection of myocardial protection liquid. (Flow rate: 200-300 ml/min)
2. The catheter can monitor the myocardial protection liquid injection pressure at the catheter end.
3. This catheter contains reinforcing wire to increase the elasticity of the catheter. The catheter can be kept bent and thus can secure a favorable surgical field.
4. The balloon has a sufficient diameter (φ40 mm) to occlude the ascending aorta.

Specification diagram

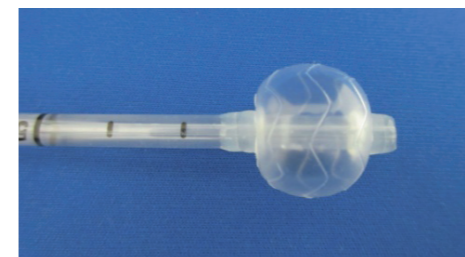
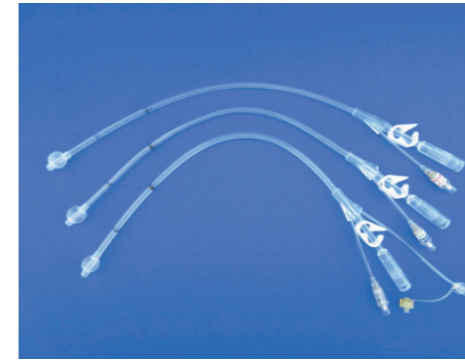


Model Number	Catheter	Size		Remarks	Packaging
		Balloon	Balloon		
MD-21020S	21Fr×400mm	40mm(Filled with 40mL of saline solution)		Circuit connector:Nominal size 6mm or 1/4inch (Max. outer diameter 8mm or more(actual measurement))	1 piece / case
MD-21030S	15Fr×370mm	40mm(Filled with 40mL of saline solution)		Suction line connector:Nominal size 6mm or 1/4inch (Max. outer diameter 8mm or more(actual measurement))	1 piece / case
MD-21040S	15Fr×370mm	40mm(Filled with 40mL of saline solution)		-	1 piece / case

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Arterial Perfusion Catheter

Application : Aortic aneurysm surgery



Circulation cannula

Optimum for aortic bifurcation for blood perfusion in cardiotomy and thoracoabdominal aortic aneurysm surgery.

Application examples

- Blood perfusion to the common carotid artery etc. during selective cerebral perfusion.
- Blood perfusion to the renal artery etc. during thoracoabdominal aortic aneurysm surgery.

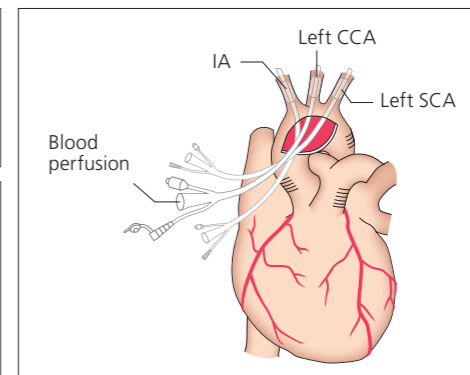
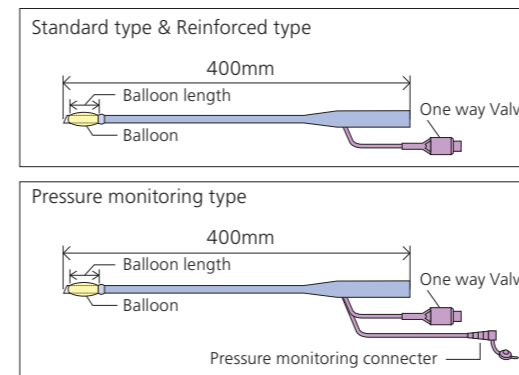
Features

- Equipped with a cylindrical balloon at the catheter end, the catheter can be fixed softly within the blood vessel.
- As the catheter is flexible and moderately elastic, it will not lose flexibility even under low temperature.
- The reinforced type and the pressure monitor type are available as well as the standard type.

Reinforced type.....Reinforced with wire, this catheter can be bent or fixed so as not to interfere with the surgical field.

Pressure monitor type...With a pressure monitor lumen open at the end of the catheter, the catheter can monitor the blood transmission.

Specification



Model Number	Type	Catheter	Size			Packaging
			O.D.	Length	Capacity (Sterile saline)	
MD-25508	Standard	8Fr(2.7mm)	10mm	6mm	0.4mL	2 pieces / case
MD-25510	Standard	10Fr(3.3mm)	11mm	8mm	0.6mL	2 pieces / case
MD-25512	Standard	12Fr(4.0mm)	16mm	10mm	1.6mL	2 pieces / case
MD-25515	Standard	15Fr(5.0mm)	16mm	12mm	1.6mL	2 pieces / case
MD-25612	Reinforced	12Fr(4.0mm)	16mm	10mm	1.6mL	2 pieces / case
MD-25615	Reinforced	15Fr(5.0mm)	16mm	12mm	1.6mL	2 pieces / case
MD-25708	Pressure monitoring	8Fr(2.7mm)	10mm	6mm	0.4mL	2 pieces / case
MD-25710	Pressure monitoring	10Fr(3.3mm)	11mm	8mm	0.6mL	2 pieces / case
MD-25712	Pressure monitoring	12Fr(4.0mm)	16mm	10mm	1.6mL	2 pieces / case
MD-25715	Pressure monitoring	15Fr(5.0mm)	16mm	12mm	1.6mL	2 pieces / case

Sterilized with Ethylene Oxide Gas

sumius U-Container

Application : Portable urine container for the outpatient

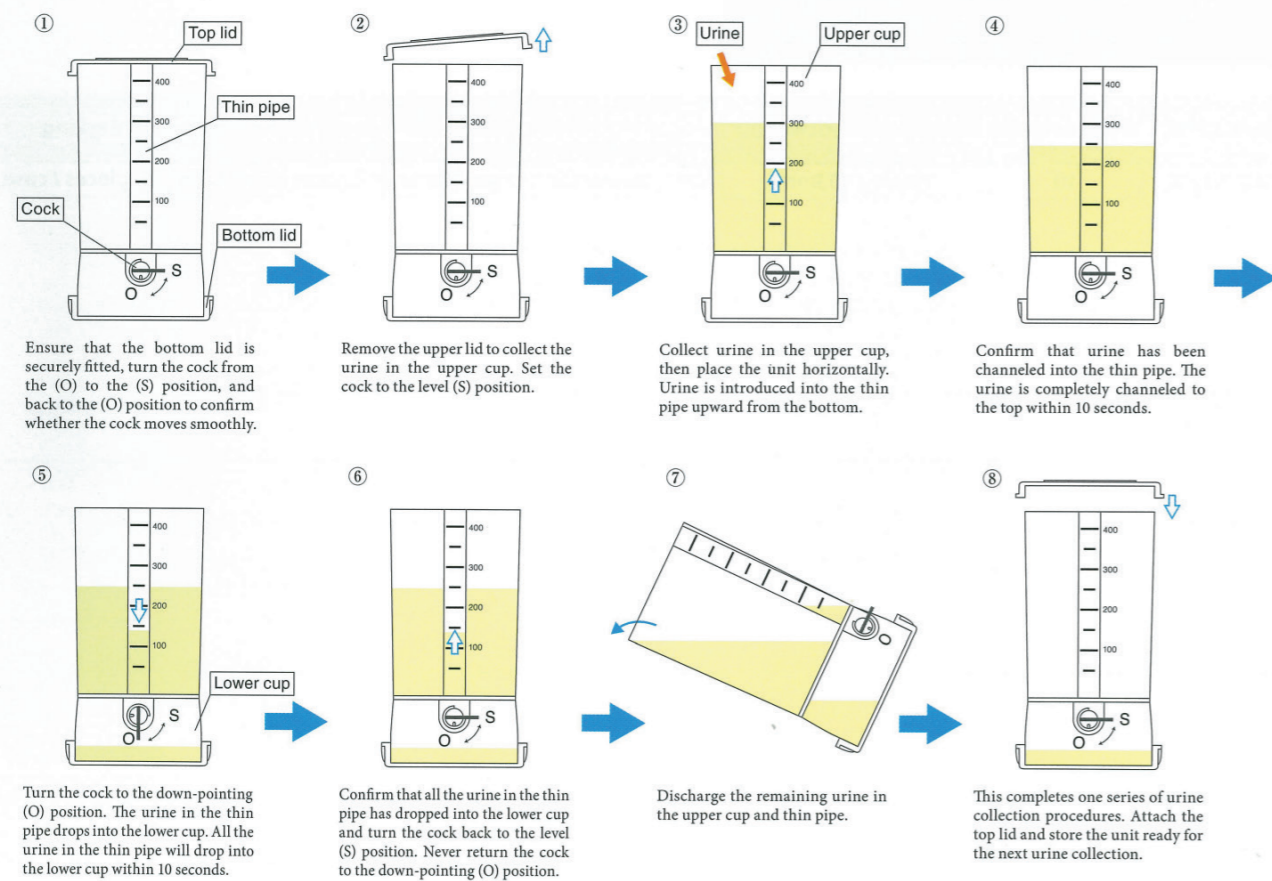


For diagnostics and dietary instructions for hypertension.
For diagnostics and judgments of effect of remedies for diabetes, kidney and diseases of endocrine organs,etc.

Features

An instrument for the precise proportional sampling collection of 1/50 of dairy(24 hours) amount of urination. Portable, space-saving, clean and hygienic handling is indeed remarkable.

How to use sumius U-Container



Specification				
Model Number	Upper cap (for collection)	Lower cup (for storing urine)	Accessories	Packaging
MD-63350	400mL	80mL	Carrying bag(P.E.) for each container	10 pieces / case

Model Number	Packaging
MD-6335A	Carrying bag(P.E.) 100 pieces / case

MEMO