






**Alton**  
INNOVATION CREATES BRILLIANT FUTURE



**ALTON (SHANGHAI) MEDICAL INSTRUMENTS CO.,LTD**

 Tel: 0086-21-56771811

 Fax: 0086-21-62662456

 No.24 Building, JinShao Rd.1688,  
Baoshan District, Shanghai,P.R.China

# ENDOSCOPIC ACCESSORIES

ALTON  
PRODUCTS  
MANUAL



[www.alton.com.cn](http://www.alton.com.cn)



[info@alton.com.cn](mailto:info@alton.com.cn)

# CONTENTS

## Disposable Instruments

Disposable ESD Instruments 【Ball Type / Ball Type】	04
Disposable ESD Instruments 【Cylindrical Type / Tunnel Knife】	05
Disposable ESD Instruments 【Ball Type / CT Knife】	06
Disposable ESD Instruments 【Cylindrical Type / Square Knife】	07
Disposable ESD Instruments 【Disposable Electrical Forceps】	08~09
Disposable Hemo Clip	10~11
Disposable EMR Instruments 【Disposable Electrical Snare】	13~14
Disposable EMR Instruments 【Disposable Injection Needle】	15
Disposable EMR Instruments 【Hot Biopsy / Snare with Bag Type】	16
Disposable ERCP Instruments 【Guidewire】	18
Disposable ERCP Instruments 【Papillotome / Sphincterotome】	19
Disposable ERCP Instruments 【ERCP Baskets / ERCP Cyology Brushes】	20
Disposable ERCP Instruments 【Biliary Drainage Catheter】	21
Disposable Biopsy Forceps	22~25
Disposable Grasping Forceps	27~30
Disposable Retrieval Baskets	30~31
Other Disposable Products	32~38

# CONTENTS

## Reusable Instruments

Reusable Biopsy Forceps	39~42
Reusable Grasping Forceps	45~48
Reusable Retrieval Baskets	49~50
Reusable Electrosurgical Electrodes	51~54
Reusable Brushes	57
Reusable Injection Needles & Scissor Type	58

# ESD Instruments

DISPOSABLE

## Disposable Ball Type ( Ball Type )

### Product features

The ball tip can mark, cut and stop bleeding with irrigation function.

Type A



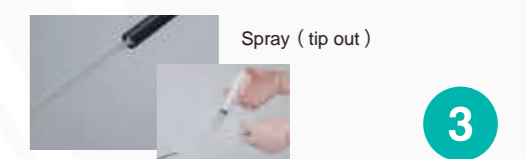
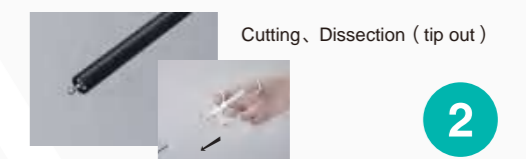
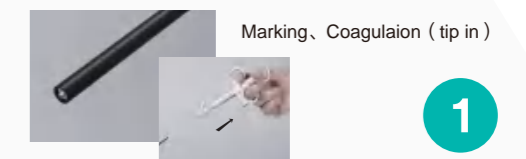
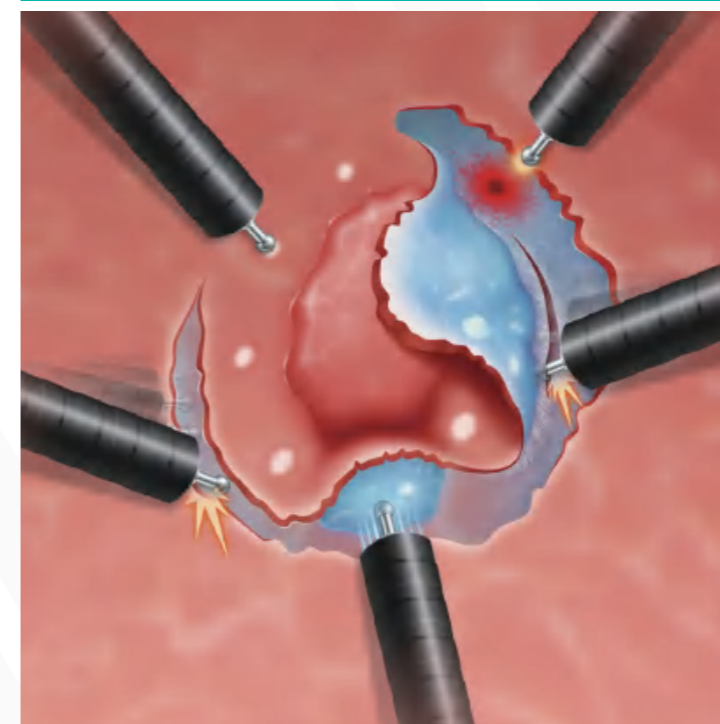
Type B



### Disposable Ball Type ( Ball Type )

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	1.5mm/2mm
AF-D1812EB(A/B)	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy	 Cutting Length:1.5mm/2mm
AF-D1815EB(A/B)	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-D2418EB(A/B)	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy	
AF-D2423EB(A/B)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

### Operation Guide




## Disposable Cylindrical Type ( Tunnel Knife )



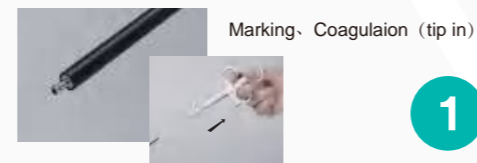
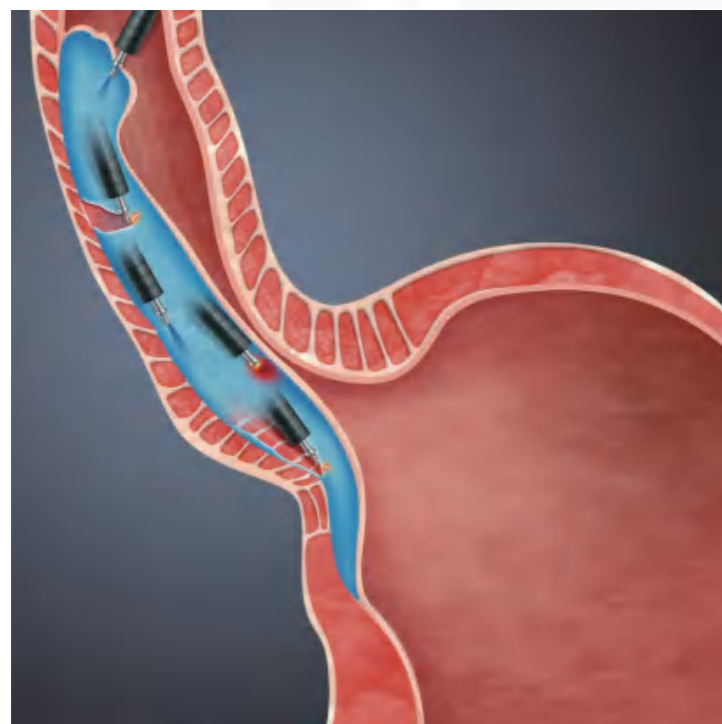
### Product features

The retractable needle tip can mark and cut with irrigation function.

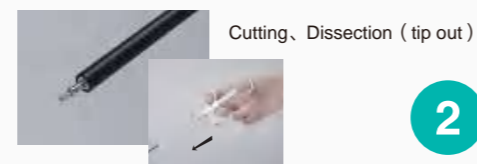
### Disposable Cylindrical Type 【Tunnel Knife】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	
AF-D2418EN	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy	
AF-D2423EN	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

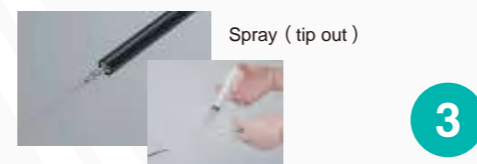
### Operation Guide



1



2



3

## Disposable Ball Type ( CT Knife )

### Product features

Ceramic tip, insulation, irrigation and cutting.

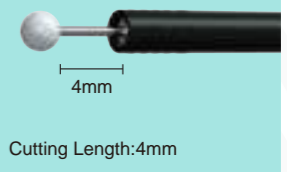
### Type A



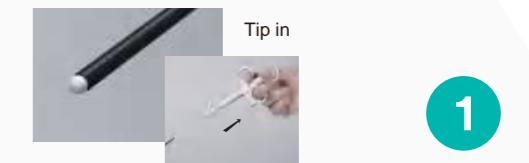
### Type B



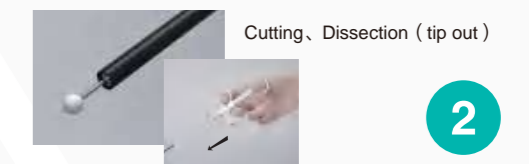
### Disposable Ball Type 【CT Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	
AF-D1812EB-3(A/B)	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy	
AF-D1815EB-3(A/B)	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-D2418EB-3(A/B)	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy	
AF-D2423EB-3(A/B)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

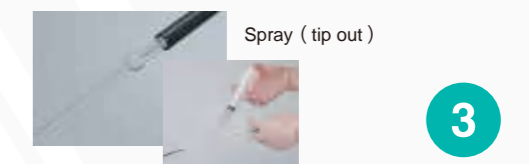
### Operation Guide



1



2



3

## Disposable Cylindrical Type ( Square Knife )

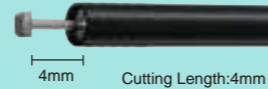


### Product features

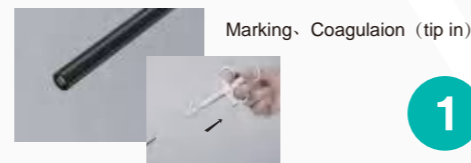
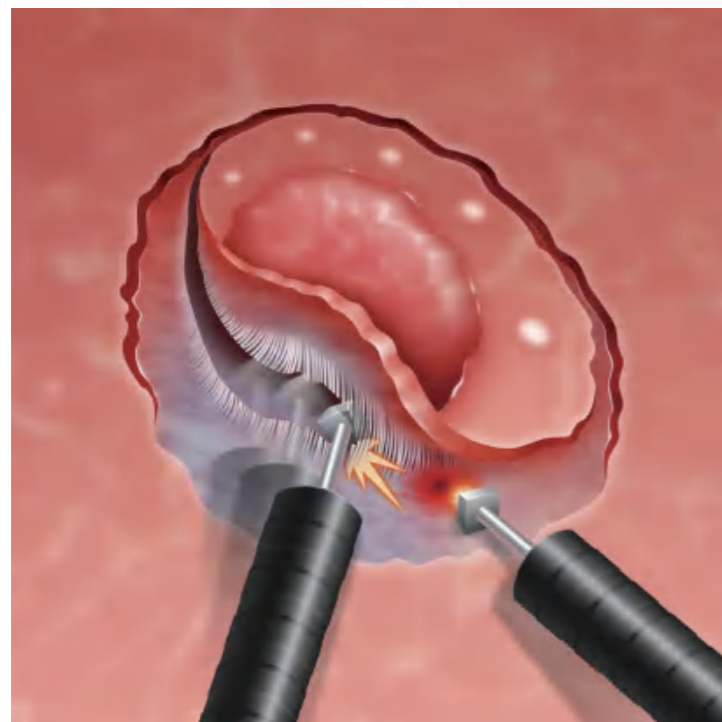
Retractable square knife can smartly cut in all directions with marking and irrigation functions.

### Disposable Cylindrical Type 【Square Knife】

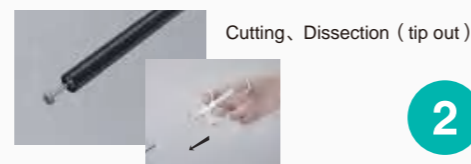
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D2418EN-2	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EN-2	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



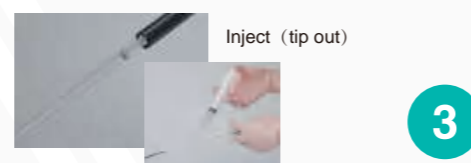
### Operation Guide



1



2



3

## Disposable Electrical Forceps ( Hemo Type )

### Product features

Mark, cut and stop bleeding when the forceps open and close. Slow turn facilitates operation. Cutting Length: 7mm.



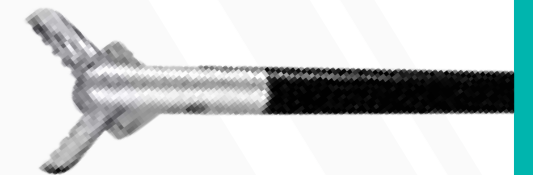
### Disposable Electrical Forceps 【Hemo Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D2418EHR-A	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EHR-A	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

## Disposable Electrical Forceps ( Hemo Type )

### Product features

Mark, cut and stop bleeding when the forceps open and close. Slow turn facilitates operation. Cutting Length: 7mm.



### Disposable Electrical Forceps 【Hemo Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D2418EHR-B	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EHR-B	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

## Disposable Electrical Forceps ( Hemo Type )

### Product features

Mark, cut and stop bleeding when the forceps open and close. Slow turn facilitates operation. Cutting Length: 7mm.



### Disposable Electrical Forceps 【Hemo Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D2418EHR-C	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EHR-C	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

## Disposable Electrical Forceps ( Scissor Type )



### Product features

Fleetsly cut in the adhesions. Slow turn facilitates quick reach. Cutting Length: 7mm.

### Disposable Electrical Forceps 【Scissor Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D2418ESR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423ESR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

## Disposable Electrical Forceps ( Dissection Type )



### Product features

Fleetsly cut in the adhesions. Slow turn facilitates quick reach. Cutting Length: 7mm.

### Disposable Electrical Forceps 【Dissection Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D2418EFR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EFR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

## Disposable Electrical Forceps ( Hook Type )



### Product features

Fleetsly cut in the adhesions.  
Slow turn facilitates quick reach.  
The hook tip facilitates the lift of tissue.

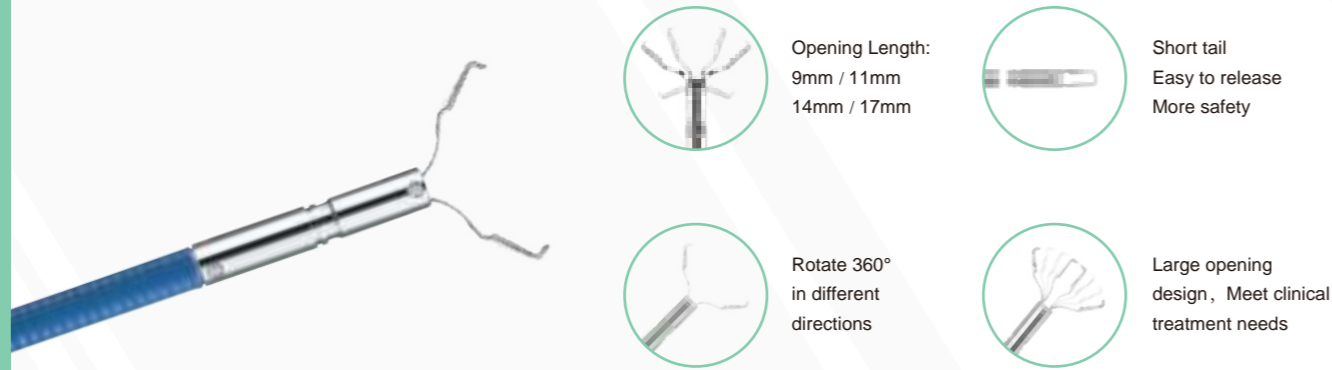
### Disposable Electrical Forceps 【Hook Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D2418ETR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423ETR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

# Hemo Clip

DISPOSABLE

## Disposable Hemo Clip



Disposable Hemo Clip				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Opening Length	Use
AF-D2418JZR-9	Ø2.4x1800mm	≥Ø2.8mm	9mm	Gastroscopy
AF-D2423JZR-9	Ø2.4x2300mm	≥Ø2.8mm	9mm	Colonoscopy
AF-D2418JZR-11	Ø2.4x1800mm	≥Ø2.8mm	11mm	Gastroscopy
AF-D2423JZR-11	Ø2.4x2300mm	≥Ø2.8mm	11mm	Colonoscopy
AF-D2418JZR-14	Ø2.4x1800mm	≥Ø2.8mm	14mm	Gastroscopy
AF-D2423JZR-14	Ø2.4x2300mm	≥Ø2.8mm	14mm	Colonoscopy
AF-D2418JZR-17	Ø2.4x1800mm	≥Ø2.8mm	17mm	Gastroscopy
AF-D2423JZR-17	Ø2.4x2300mm	≥Ø2.8mm	17mm	Colonoscopy

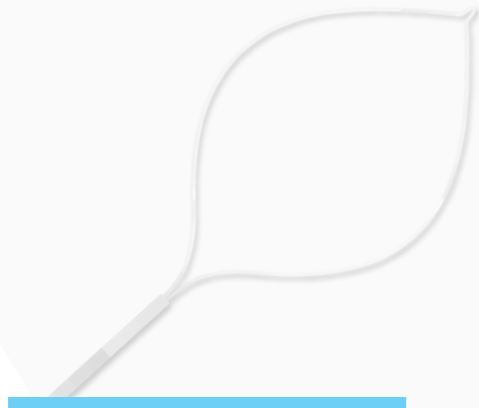
### Operation Guide

- Marking, Stop bleeding ( tip in )
- Cutting, Dissection ( tip out )
- Inject ( tip out )

# EMR Instruments

DISPOSABLE

## Disposable Electrical Snare



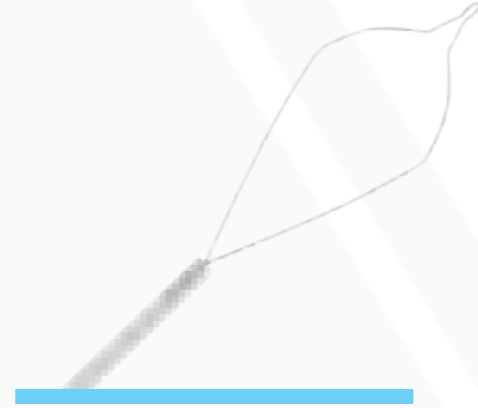
Disposable Electrical Snare  
【Oval Type】



Disposable Electrical Snare  
【Half-Moon Type】



Disposable Electrical Snare  
【Hexagonal Type】

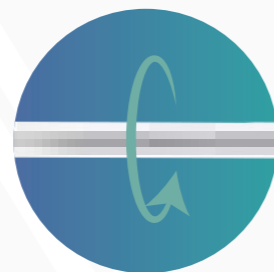


Disposable Electrical Snare  
【Cold Snare Type】

### Product features



Special alloy strands Easy control of cutting and solidification



Can be rotated synchronously inside and outside the body

### Disposable Electrical Snare 【Oval Type】

Item No.	Opening Width	Tube Diameter & Working Length	Working Channel Diameter	Use	Opening Width
AF-D1810DT	10/15/20mm	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D1816DT	10/15/20mm	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy	
AF-D1825DT	10/15/20mm	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-D2416DT	10/15/20/25/30/35mm	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2421DT	10/15/20/25/30/35mm	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-D2423DT	10/15/20/25/30/35mm	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Cut polyp with high-frequency current. It can be made rotatable.					

### Disposable Electrical Snare 【Cold Snare Type】

Item No.	Opening Width	Tube Diameter & Working Length	Working Channel Diameter	Use	Opening Width
AF-D2423DC-1	10mm	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
AF-D2423DC-1	15mm	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Cut polyp with high-frequency current. It can be made rotatable.					

### Disposable Electrical Snare 【Hexagonal Type】

Item No.	Opening Width	Tube Diameter & Working Length	Working Channel Diameter	Use	Opening Width
AF-D1810DL	10/15/20mm	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D1816DL	10/15/20mm	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy	
AF-D1825DL	10/15/20mm	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-D2416DL	10/15/20/25/30/35mm	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2421DL	10/15/20/25/30/35mm	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-D2423DL	10/15/20/25/30/35mm	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Cut polyp with high-frequency current. It can be made rotatable.					

### Disposable Electrical Snare 【Half-Moon Type】

Item No.	Opening Width	Tube Diameter & Working Length	Working Channel Diameter	Use	Opening Width
AF-D1810DB	10/15/20mm	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D1816DB	10/15/20mm	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy	
AF-D1825DB	10/15/20mm	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-D2416DB	10/15/20/25/30/35mm	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2421DB	10/15/20/25/30/35mm	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-D2423DB	10/15/20/25/30/35mm	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Cut polyp with high-frequency current.					



## Disposable Injection Needle

Using a mixed Teflon inner and outer sheath, The flow rate is large and the injection is fast and smooth.

Stainless steel needle tip, diamond section, Sharper when inserted into tissue.

Limited bit protection function, safer operation

AF-D \*\*\*\* PN \*\* \*\*  
 Needle Length  
 Needle Diameter  
 Tube Diameter & Working Length

Disposable Injection Needle					
Item No.	Tube Diameter & Working Length	Needle Diameter	Needle Length	Working Channel Diameter	Use
AF-D1810PN	Ø1.8x1000mm	23/25G	4/5mm	≥Ø2.0mm	Gastroscopy
AF-D1816PN	Ø1.8x1600mm	23/25G	4/5/6mm	≥Ø2.0mm	Gastroscopy
AF-D1825PN	Ø1.8x2500mm	23/25G	4/5/6mm	≥Ø2.0mm	Enteroscopy
AF-D2416PN	Ø2.4x1600mm	21/23/25G	4/5/6mm	≥Ø2.8mm	Gastroscopy
AF-D2421PN	Ø2.4x2100mm	21/23/25G	4/5/6mm	≥Ø2.8mm	Colonoscopy
AF-D2423PN	Ø2.4x2300mm	21/23/25G	4/5/6mm	≥Ø2.8mm	Colonoscopy

Needle:Stainless steel    Inner & outer tube:Teflon

## Disposable Electrical Forceps ( Hot Biopsy )

### Disposable Electrical Forceps 【Hot Biopsy】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810DG	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812DG	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816DG	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416DG	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418DG	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421DG	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423DG	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

For cutting small polyps and coagulation of small vessels.



## Disposable Grasping Forceps ( Snare with Bag Type )



### Disposable Grasping Forceps 【Snare with Bag Type】

Item No.	Tube Diameter & Working Length	Opening Width	Use
AF-D1810GW	Ø1.8x1000mm	20mm	Bronchoscopy
AF-D1816GW	Ø1.8x1600mm	20mm	Gastroscopy
AF-D2418GW	Ø2.4x1800mm	20/30mm	Gastroscopy
AF-D2423GW	Ø2.4x2300mm	20/30mm	Colonoscopy

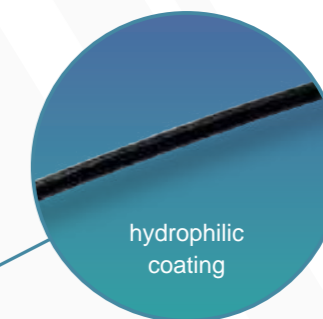
An easy way to take out clots, polyps and foreign bodies.

# ERCP Instruments

DISPOSABLE

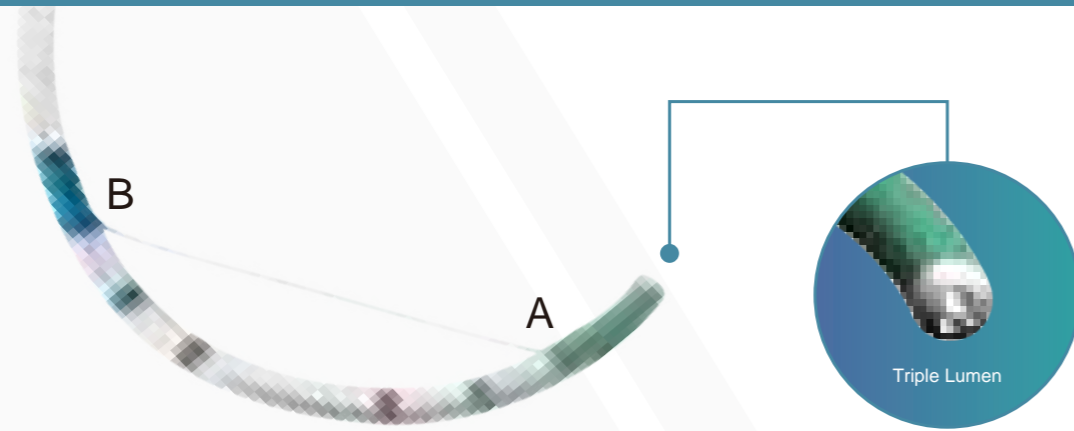
## Guidewire

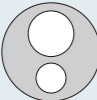
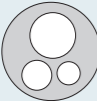
- The head end is super slippery, Low friction, Smooth intubation.
- Yellow-and-black surface , Easy to observe.
- Strong developer , Strong support.
- Wide range of diameters available.



Guidewire			
Item No.	Max Diameter ( inch )	Effective Length	Guide Length
AF-D2526QW05	.025"	2600mm	50mm
AF-D2545QW05	.025"	4500mm	50mm
AF-D3526QW05	.035"	2600mm	50mm
AF-D3545QW05	.035"	4500mm	50mm
AF-D3826QW05	.038"	2600mm	50mm
AF-D3845QW05	.038"	4500mm	50mm

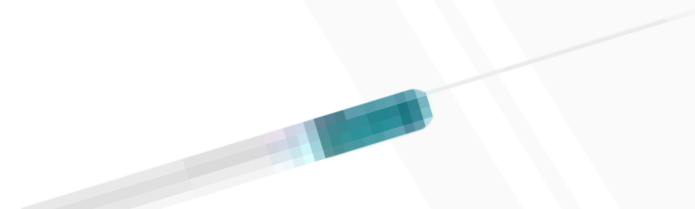
## Disposable Papillotome





Disposable Papillotome				
Type	Item No.	A	B	
 Double Lumen	AF-D0720DJ2	7mm	20mm	
	AF-D0725DJ2	7mm	25mm	
	AF-D0730DJ2	7mm	30mm	
Type	Item No.	A	B	
 Triple Lumen	AF-D0720DJ3	7mm	20mm	
	AF-D0725DJ3	7mm	25mm	
	AF-D0730DJ3	7mm	30mm	

Tube Diameter & Working Length: Ø2.4x2100mm



## Disposable Sphincterotome



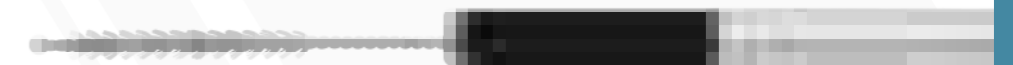
Disposable Sphincterotome				
Type	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Adjustable Needle
 Double Lumen	AF-D2421DZ2	Ø2.4x2100mm	≥Ø2.8mm	3mm-5mm Adjustable
Type	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Adjustable Needle
 Triple Lumen	AF-D2421DZ3	Ø2.4x2100mm	≥Ø2.8mm	3mm-5mm Adjustable


## Disposable ERCP Baskets



Disposable ERCP Baskets			
Type	Item No.	Tube Diameter & Working Length	Working Channel Diameter
 Single Lumen	AF-D2421GL-1	Ø2.4x2100mm	≥Ø2.8mm
Type	Item No.	Tube Diameter & Working Length	Working Channel Diameter
 Double Lumen	AF-D2421GL-2	Ø2.4x2100mm	≥Ø2.8mm

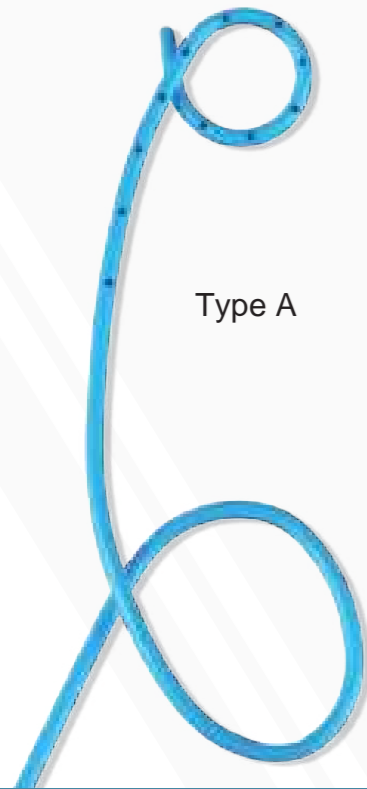
## Disposable ERCP Cyology Brushes



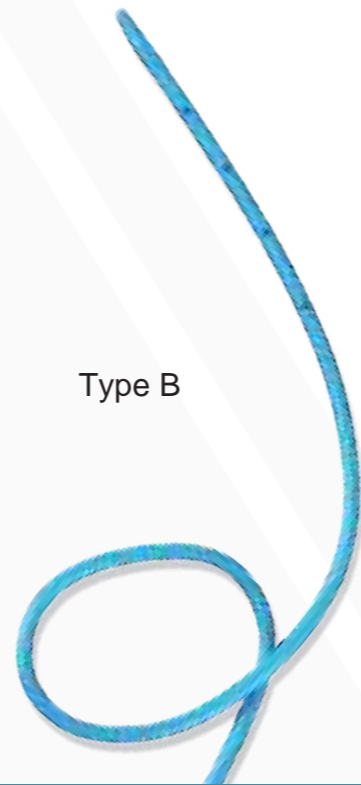
Disposable ERCP Cyology Brushes			
Type	Item No.	Tube Diameter & Working Length	Working Channel Diameter
 Double Lumen	AF-D2421WB2	Ø2.4x2100mm	≥Ø2.8mm

## Biliary Drainage Catheter

- Tail shape, Effectively prevents shedding.
- Good drainage effect.
- Good flexibility, Narrow sections can be easily passed.



Type A



Type B

## Biopsy Forceps



Biliary Drainage Catheter

Item No.	Form	Effective Length	External Diameter
AF-D7017BDA	Type A	1700mm	7Fr
AF-D7024BDA	Type A	2400mm	7Fr
AF-D7025BDA	Type A	2500mm	7Fr
AF-D8517BDA	Type A	1700mm	8.5Fr
AF-D8524BDA	Type A	2400mm	8.5Fr
AF-D8525BDA	Type A	2500mm	8.5Fr
AF-D7017BDB	Type B	1700mm	7Fr
AF-D7024BDB	Type B	2400mm	7Fr
AF-D7025BDB	Type B	2500mm	7Fr
AF-D8517BDB	Type B	1700mm	8.5Fr
AF-D8524BDB	Type B	2400mm	8.5Fr
AF-D8525BDB	Type B	2500mm	8.5Fr

DISPOSABLE

## Disposable Biopsy Forceps



Disposable Biopsy Forceps  
【Oval Cups】



Disposable Biopsy Forceps  
【Oval Cups With Needle】



Disposable Biopsy Forceps  
【Oval Cups Coated】



Disposable Biopsy Forceps  
【Oval Cups With Needle Coated】



Disposable Biopsy Forceps  
【Alligator Cups】



Disposable Biopsy Forceps  
【Alligator Cups Coated】



Disposable Biopsy Forceps  
【Alligator Cups With Needle】



Disposable Biopsy Forceps  
【Alligator Cups With Needle Coated】

### Disposable Biopsy Forceps 【Oval Cups】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810BT	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1812BT	Ø1.8x1200mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816BT	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D2416BT	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-D2418BT	Ø2.4x1800mm	≥ Ø2.8mm	Gastroscopy
AF-D2421BT	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423BT	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
AF-D3023BT	Ø3.0x2300mm	≥ Ø3.2mm	Colonoscopy

Oval and fenestrated cups for deeper biopsy.

Opening width:  
5mm(Ø1.8) 6.5mm(Ø2.4) 8.5mm(Ø3.0)



### Disposable Biopsy Forceps 【Oval Cups Coated】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810BTC	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1812BTC	Ø1.8x1200mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816BTC	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D2416BTC	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-D2418BTC	Ø2.4x1800mm	≥ Ø2.8mm	Gastroscopy
AF-D2421BTC	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423BTC	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
AF-D3023BTC	Ø3.0x2300mm	≥ Ø3.2mm	Colonoscopy

Oval and fenestrated cups for deeper biopsy.

Opening width:  
5mm(Ø1.8) 6.5mm(Ø2.4) 8.5mm(Ø3.0)



### Disposable Biopsy Forceps 【Oval Cups With Needle】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810BW	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1812BW	Ø1.8x1200mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816BW	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D2416BW	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-D2418BW	Ø2.4x1800mm	≥ Ø2.8mm	Gastroscopy
AF-D2421BW	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423BW	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Oval, fenestrated cups with spike for accurate targeting. No sliding for gathering bigger tissue samples.

Opening width:  
5mm(Ø1.8) 6.5mm(Ø2.4)



### Disposable Biopsy Forceps 【Oval Cups With Needle Coated】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810BWC	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1812BWC	Ø1.8x1200mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816BWC	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D2416BWC	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-D2418BWC	Ø2.4x1800mm	≥ Ø2.8mm	Gastroscopy
AF-D2421BWC	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423BWC	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Oval, fenestrated cups with spike for accurate targeting. No sliding for gathering bigger tissue samples.

Opening width:  
5mm(Ø1.8) 6.5mm(Ø2.4)



Disposable Biopsy Forceps [Alligator Cups]

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810BU	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1812BU	Ø1.8x1200mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816BU	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D2416BU	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-D2418BU	Ø2.4x1800mm	≥ Ø2.8mm	Gastroscopy
AF-D2421BU	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423BU	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
AF-D2823BU	Ø2.8x2300mm	≥ Ø3.0mm	Colonoscopy

Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue.



Disposable Biopsy Forceps [Alligator Cups Coated]

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810BUC	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1812BUC	Ø1.8x1200mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816BUC	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D2416BUC	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-D2418BUC	Ø2.4x1800mm	≥ Ø2.8mm	Gastroscopy
AF-D2421BUC	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423BUC	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
AF-D2823BUC	Ø2.8x2300mm	≥ Ø3.0mm	Colonoscopy

Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue.



Disposable Biopsy Forceps [Alligator Cups With Needle]

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810BZ	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1812BZ	Ø1.8x1200mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816BZ	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D2416BZ	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-D2418BZ	Ø2.4x1800mm	≥ Ø2.8mm	Gastroscopy
AF-D2421BZ	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423BZ	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue. No slippage with spike for accurate targeting.



Disposable Biopsy Forceps [Alligator Cups With Needle Coated]

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810BZC	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1812BZC	Ø1.8x1200mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816BZC	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D2416BZC	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-D2418BZC	Ø2.4x1800mm	≥ Ø2.8mm	Gastroscopy
AF-D2421BZC	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423BZC	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue. No slippage with spike for accurate targeting.



# Grasping Forceps & Retrieval Baskets



DISPOSABLE

## Disposable Grasping Forceps



Disposable Grasping Forceps  
【Rat Tooth Type】



Disposable Grasping Forceps  
【Rat Tooth with Alligator Type】



Disposable Grasping Forceps  
【Pelican Type】



Disposable Grasping Forceps  
【Alligator Type】



Disposable Grasping Forceps  
【3-Prong Type】



Disposable Grasping Forceps  
【5-Prong Type】



Disposable Grasping Forceps  
【2-Prong Type】

### Disposable Grasping Forceps 【Rat Tooth Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810GI	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812GI	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GI	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416GI	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418GI	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421GI	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GI	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Rat tooth for flat and hard objects ( e.g.coins ).

Opening width:  
5mm(Ø1.8) 6mm(Ø2.4)



### Disposable Grasping Forceps 【Rat Tooth with Alligator Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810GJ	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812GJ	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GJ	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416GJ	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418GJ	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421GJ	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GJ	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Sharp tooth, long jaws for difficult retrieval of flat and hard objects.

Opening width:  
5mm(Ø1.8) 6mm / 8.5mm(Ø2.4)

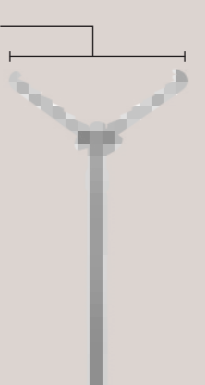


### Disposable Grasping Forceps 【Pelican Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810GK	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812GK	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GK	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416GK	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418GK	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421GK	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GK	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

For big objects. Opening width: 15mm.

Opening width:  
9.5mm(Ø1.8) 15mm(Ø2.4)



### Disposable Grasping Forceps 【Alligator Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810GH	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812GH	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GH	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416GH	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418GH	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421GH	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GH	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

For sharp-edged objects.

Opening width:  
7mm(Ø1.8) 7.5mm(Ø2.4)



Disposable Grasping Forceps [3-Prong Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1807GM103	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-D1810GM103	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1815GM103	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D2416GM103	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM103	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM103	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM103	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Disposable Grasping Forceps [3-Prong Hook Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1807GM103-H	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-D1810GM103-H	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1815GM103-H	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D2416GM103-H	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM103-H	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM103-H	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM103-H	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Disposable Grasping Forceps [5-Prong Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1807GM105	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-D1810GM105	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1815GM105	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D2416GM105	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM105	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM105	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM105	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Disposable Grasping Forceps [5-Prong Hook Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1807GM105-H	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-D1810GM105-H	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1815GM105-H	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D2416GM105-H	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM105-H	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM105-H	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM105-H	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Disposable Grasping Forceps [2-Prong Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D2416GM102	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM102	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM102	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM102	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

## Disposable Retrieval Baskets



Disposable Grasping Forceps  
【Basket without Tip Type,  
Nitinol】



Disposable Grasping Forceps  
【Fold Angular Basket Type,  
Stainless Steel】



Disposable Grasping Forceps  
【Spirality Basket Type, Nitinol】



**Disposable Grasping Forceps [Fold Angular Basket Type, Stainless Steel]**

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Opening Width	Use
AF-D1807GL0	Ø1.8x700mm	≥Ø2.0mm	10/15/20mm	Choledochoscopy
AF-D1810GL0	Ø1.8x1000mm	≥Ø2.0mm	10/15/20mm	Bronchoscopy
AF-D1816GL0	Ø1.8x1600mm	≥Ø2.0mm	10/15/20mm	Gastroscopy
AF-D1825GL0	Ø1.8x2500mm	≥Ø2.0mm	10/15/20mm	Enteroscopy
AF-D2415GL0	Ø2.4x1500mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy
AF-D2417GL0	Ø2.4x1700mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy
AF-D2421GL0	Ø2.4x2100mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy
AF-D2423GL0	Ø2.4x2300mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy

For retrieval of round and slippery objects.



**Disposable Grasping Forceps [Basket without Tip Type, Nitinol]**

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Opening Width	Use
AF-D1007GL1	Ø1.0x700mm	≥Ø1.2mm	10/15mm	Urology
AF-D1010GL1	Ø1.0x1000mm	≥Ø1.2mm	10/15mm	Urology
AF-D1012GL1	Ø1.0x1200mm	≥Ø1.2mm	10/15mm	Urology
AF-D1807GL1	Ø1.8x700mm	≥Ø2.0mm	10/15/20mm	Choledochoscopy
AF-D1810GL1	Ø1.8x1000mm	≥Ø2.0mm	10/15/20mm	Bronchoscopy
AF-D1816GL1	Ø1.8x1600mm	≥Ø2.0mm	10/15/20mm	Gastroscopy
AF-D1825GL1	Ø1.8x2500mm	≥Ø2.0mm	10/15/20mm	Enteroscopy
AF-D2415GL1	Ø2.4x1500mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy
AF-D2417GL1	Ø2.4x1700mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy
AF-D2421GL1	Ø2.4x2100mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy
AF-D2423GL1	Ø2.4x2300mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy

For retrieval of round and slippery objects.



**Disposable Grasping Forceps [Spirality Basket Type, Nitinol]**

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Opening Width	Use
AF-D1007GL2	Ø1.0x700mm	≥Ø1.2mm	10/15mm	Urology
AF-D1010GL2	Ø1.0x1000mm	≥Ø1.2mm	10/15mm	Urology
AF-D1012GL2	Ø1.0x1200mm	≥Ø1.2mm	10/15mm	Urology
AF-D1807GL2	Ø1.8x700mm	≥Ø2.0mm	10/15/20mm	Choledochoscopy
AF-D1810GL2	Ø1.8x1000mm	≥Ø2.0mm	10/15/20mm	Bronchoscopy
AF-D1816GL2	Ø1.8x1600mm	≥Ø2.0mm	10/15/20mm	Gastroscopy
AF-D1825GL2	Ø1.8x2500mm	≥Ø2.0mm	10/15/20mm	Enteroscopy
AF-D2415GL2	Ø2.4x1500mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy
AF-D2417GL2	Ø2.4x1700mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy
AF-D2421GL2	Ø2.4x2100mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy
AF-D2423GL2	Ø2.4x2300mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy

Easy retrieval of foreign bodies.




**DISPOSABLE**

## Disposable Spray Catheters



### Disposable Spray Catheters 【Standard Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810PA	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812PA	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816PA	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416PA	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418PA	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421PA	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423PA	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

### Disposable Spray Catheters 【Fog Spray Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810PB	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812PB	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816PB	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416PB	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418PB	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421PB	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423PB	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

## Disposable Cytology Brush ( Straight Type )

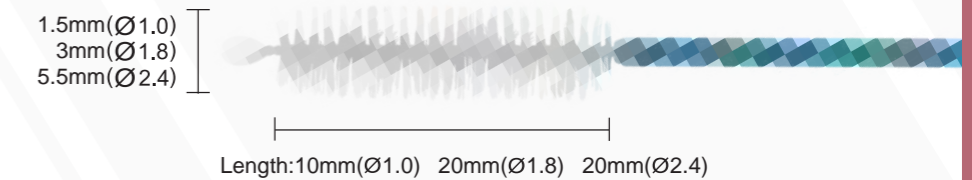


### Disposable Cytology Brush 【Straight Type】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1810WB	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812WB	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816WB	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416WB	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2423WB	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Ideal brush hardness for improved sample collection. Thinner bristles for significantly improved cell collection capability.

## Disposable Cleaning Brush ( Single ended )

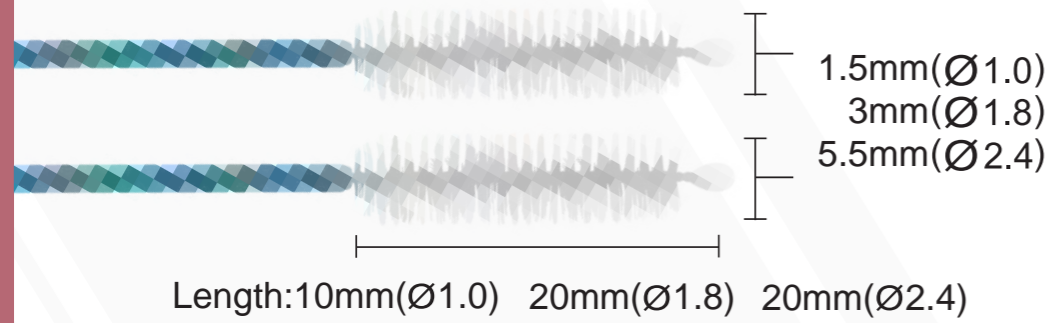


### Disposable Cleaning Brush 【Single ended】

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1012WAS	Ø1.0x1200mm	≥Ø1.2mm	Urology use
AF-D1022WAS	Ø1.0x2200mm	≥Ø1.2mm	Urology use
AF-D1818WAS	Ø1.8x1800mm	≥Ø2.0mm	Bronchoscopy
AF-D2416WAS	Ø2.4x1600mm	≥Ø2.8mm	Colonoscopy
AF-D2422WAS	Ø2.4x2200mm	≥Ø2.8mm	Colonoscopy

To clean endoscopic channel.

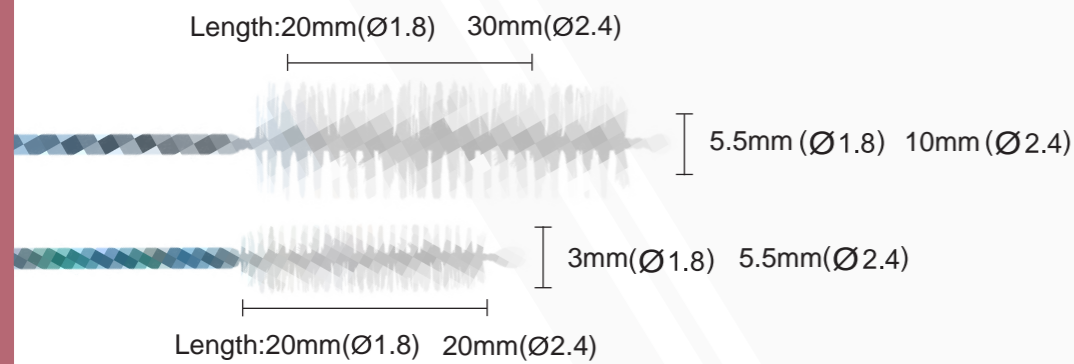
## Disposable Cleaning Brush ( Double ended )



Disposable Cleaning Brush [ Double ended ]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1022WA	Ø1.0x2200mm	≥Ø1.2mm	Urology use
AF-D1818WA	Ø1.8x1800mm	≥Ø2.0mm	Bronchoscopy
AF-D2416WA	Ø2.4x1600mm	≥Ø2.8mm	Colonoscopy
AF-D2422WA	Ø2.4x2200mm	≥Ø2.8mm	Colonoscopy

To clean endoscopic channel.

## Disposable Cleaning Brush ( Double ended )



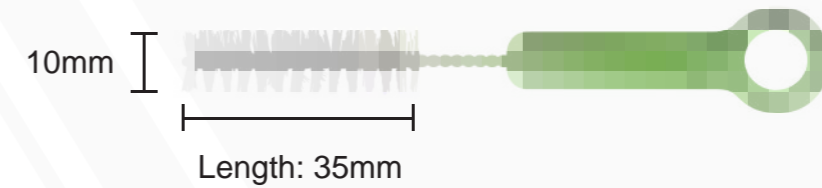
Disposable Cleaning Brush [ Double ended ]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-D1818WAV	Ø1.8x1800mm	≥Ø2.0mm	Bronchoscopy
AF-D2416WAV	Ø2.4x1600mm	≥Ø2.8mm	Colonoscopy
AF-D2422WAV	Ø2.4x2200mm	≥Ø2.8mm	Colonoscopy

To clean endoscopic channel.

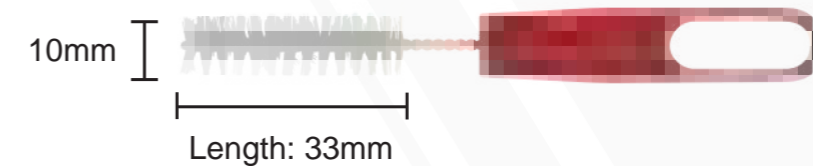
## Disposable Port Hole Cleaning Brush



Name	Item No.
Valve Brush	AF-D1001WCR

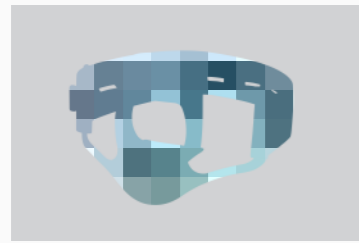


Name	Item No.
Port Hole Brush	AF-D1001WC

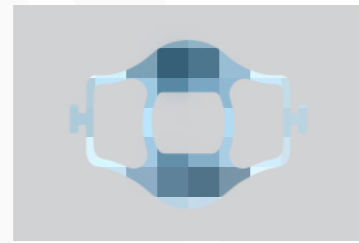


Name	Item No.
Port Hole Brush	AF-D1001WR

## Disposable Bite Blocks



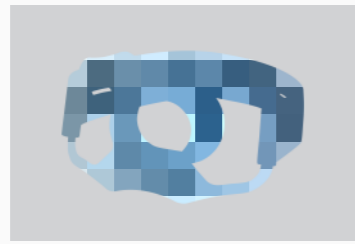
Name Item No.  
Bite Block For Adults (With Elastic Band) AF-GBW



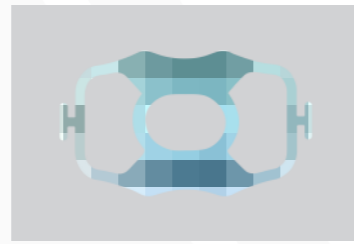
Name Item No.  
Bite Block For Adults AF-GB



Name Item No.  
Bite Block For Children (With Elastic Band) AF-GBW-C



Name Item No.  
Bite Block For No Teeth (With Elastic Band) AF-GBW-N



Name Item No.  
Bite Block For No Teeth AF-GB-N

## Disposable Valve Set



Name Item No.  
Valve Set AF-BVC-S



Name Item No.  
Valve Cap AF-BVC-O

## Disposable Polyp Trap

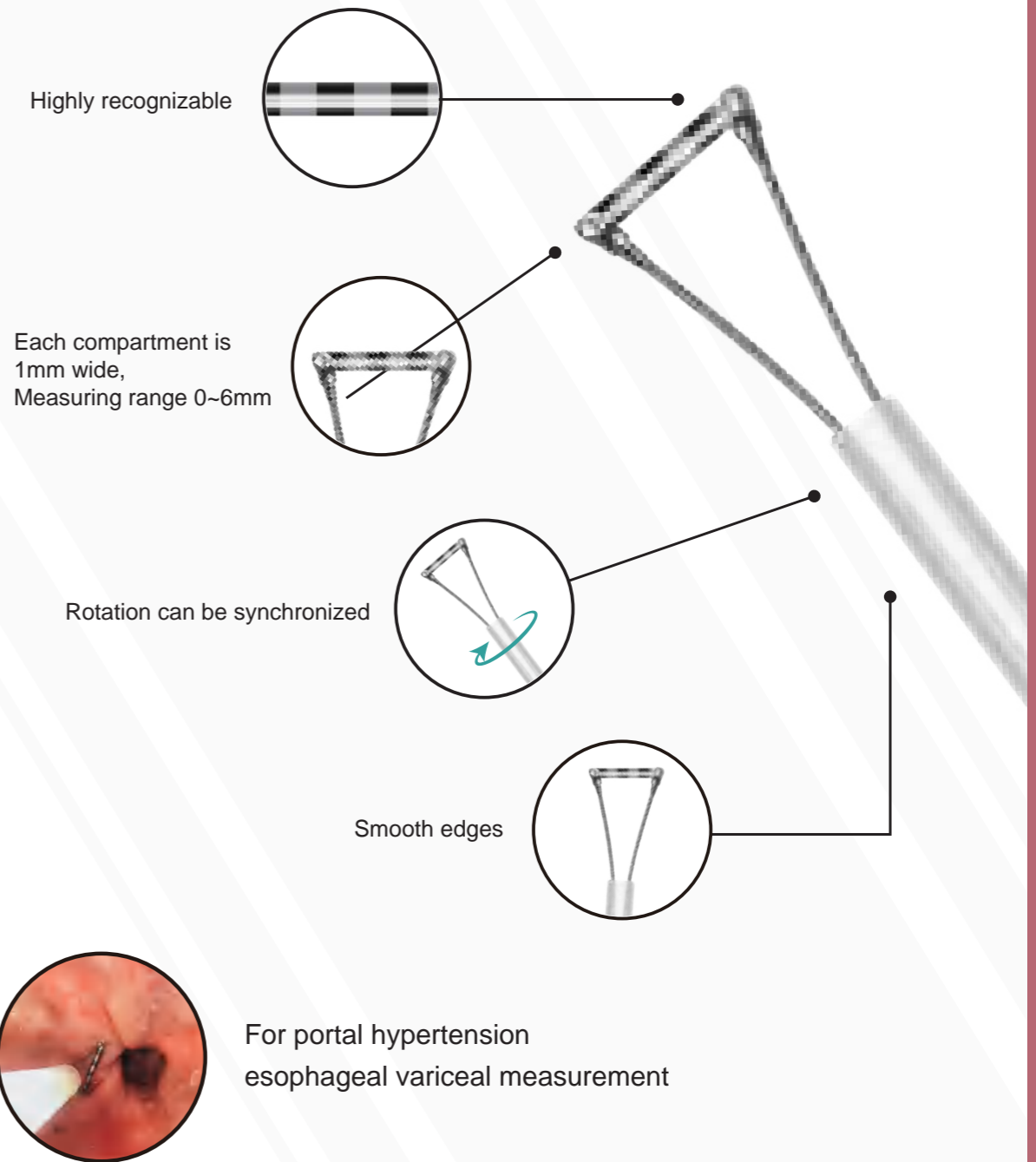


Name Item No.  
Polyp Trap (4 Chambers) AF-DPT



Name Item No.  
Polyp Trap (Single Chamber) AF-DPT-S

## Disposable Measuring Ruler



Disposable Measuring Ruler

Item No.	Diameter	Length	Use
AF-1816CL	Ø1.8mm	1600mm	Gastroscopy
AF-2416CL	Ø2.4mm	1600mm	Gastroscopy
AF-2423CL	Ø2.4mm	2300mm	Colonoscopy

# Biopsy Forceps

REUSABLE

## Reusable Biopsy Forceps ( Autoclavable )

AUTOCLAVABLE  
134°C  
273°F



Reusable Biopsy Forceps  
【Standard Type】



Reusable Biopsy Forceps  
【Alligator, Single Moving  
Cup Type】



Reusable Biopsy Forceps  
【Oval Fenestrated Cups Type】



Reusable Biopsy Forceps  
【Oval Fenestrated Cups with  
Needle Type】



Reusable Biopsy Forceps  
【Alligator Jaws Type】




Reusable Biopsy Forceps  
【Alligator Jaws with Needle  
Type】

## Reusable Biopsy Forceps ( Autoclavable )



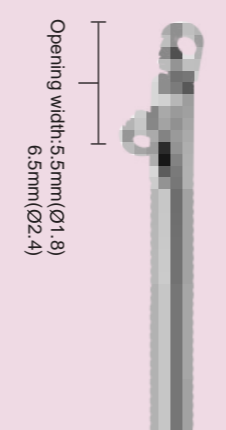
Reusable Biopsy Forceps [Standard Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807BS	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-1810BS	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815BS	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825BS	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415BS	Ø2.4x1500mm	≥Ø2.0mm	Gastroscopy
AF-2417BS	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421BS	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423BS	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Standard, round fenestrated cups with minimal tissue damage. It can be made rotatable.



Reusable Biopsy Forceps [Alligator, Single Moving Cup Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807BV	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-1810BV	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815BV	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825BV	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415BV	Ø2.4x1500mm	≥Ø2.0mm	Gastroscopy
AF-2417BV	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421BV	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423BV	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Able to sway from side to side for deep biopsy of hard and difficult-to-access tissue.



Reusable Biopsy Forceps [Oval Fenestrated Cups Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807BT	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-1810BT	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815BT	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825BT	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415BT	Ø2.4x1500mm	≥Ø2.0mm	Gastroscopy
AF-2417BT	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421BT	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423BT	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Oval and fenestrated cups for deeper biopsy. It can be made rotatable.




## Reusable Biopsy Forceps ( Autoclavable )




Reusable Biopsy Forceps [Oval Fenestrated Cups with Needle Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807BW	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-1810BW	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815BW	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825BW	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415BW	Ø2.4x1500mm	≥Ø2.0mm	Gastroscopy
AF-2417BW	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421BW	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423BW	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Oval and fenestrated cups with spike for accurate targeting without sliding. Designed to minimize tissue damage. It can be made rotatable.



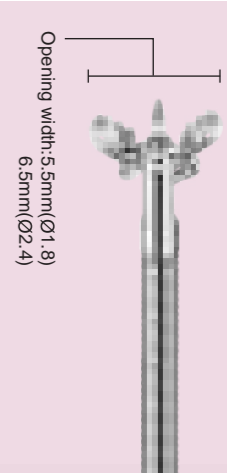
Reusable Biopsy Forceps [Alligator Jaws Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807BU	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-1810BU	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815BU	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825BU	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415BU	Ø2.4x1500mm	≥Ø2.0mm	Gastroscopy
AF-2417BU	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421BU	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423BU	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Standard, alligator cups for tissue collection on tumor. It can be made rotatable.



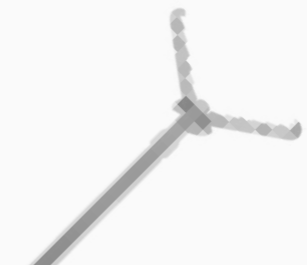
Reusable Biopsy Forceps [Alligator Jaws with Needle Type]			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807BWU	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-1810BWU	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815BWU	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825BWU	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415BWU	Ø2.4x1500mm	≥Ø2.0mm	Gastroscopy
AF-2417BWU	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421BWU	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423BWU	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Alligator cups with spike for accurate targeting without sliding. Designed to minimize tissue damage. It can be made rotatable.



AUTOCLAVABLE  
134°C  
273°F

## Reusable Grasping Forceps ( Autoclavable )



Reusable Grasping Forceps  
【Pelican Type】



Reusable Grasping Forceps  
【Alligator Type】



Reusable Grasping Forceps  
【Rubber Tips Type】



Reusable Grasping Forceps  
【Rat Tooth with Alligator Jaws Type】



Reusable Grasping Forceps  
【Rat Tooth Type】



Reusable Grasping Forceps  
【Scissors Type】



Reusable Grasping Forceps  
【Half-Scissors Type】

# Grasping Forceps & Retrieval Baskets

REUSABLE

## Reusable Grasping Forceps ( Autoclavable )



Reusable Grasping Forceps [Pelican Type]				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	<p>Opening width: 11.5mm(Ø1.8) 15mm(Ø2.4)</p>
AF-1807GK	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy	
AF-1810GK	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815GK	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-1825GK	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-2415GK	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417GK	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GK	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GK	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

For big objects. Opening width: 15mm.

Reusable Grasping Forceps [Alligator Type]				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	<p>Opening width: 7mm(Ø1.8) 8mm(Ø2.4)</p>
AF-1807GH	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy	
AF-1810GH	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815GH	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-1825GH	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-2415GH	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417GH	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GH	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GH	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

Alligator jaws for sharp edged objects.

Reusable Grasping Forceps [Rubber Tips Type]				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	<p>Opening width: 5.5mm(Ø1.8) 6 mm(Ø2.4)</p>
AF-1810GM102-R	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815GM102-R	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-2415GM102-R	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417GM102-R	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GM102-R	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	

Rubber tips for grasping slippery, flat or sharp fine objects. (e.g.needle, fine wries)

### Reusable Grasping Forceps [Rat Tooth with Alligator Jaws Type]

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	<p>Opening width: 5.5mm(Ø1.8) 5.5mm(Ø2.4)</p>
AF-1807GJ	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy	
AF-1810GJ	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815GJ	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-1825GJ	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-2415GJ	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417GJ	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GJ	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GJ	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

Sharp tooth and long jaws, for difficult retrieval of flat and hard objects.

### Reusable Grasping Forceps [Rat Tooth Type]

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	<p>Opening width: 5.5mm(Ø1.8) 5.5mm(Ø2.4)</p>
AF-1807GI	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy	
AF-1810GI	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815GI	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-1825GI	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-2415GI	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417GI	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GI	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GI	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

Rat tooth for flat and hard objects ( e.g.coins ).

### Reusable Grasping Forceps [Scissors Type]

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	<p>Opening width: 5.5mm(Ø1.8) 6 mm(Ø2.4)</p>
AF-2415GO101	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417GO101	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GO101	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GO101	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

Applicable to the biopsy under the endoscope.

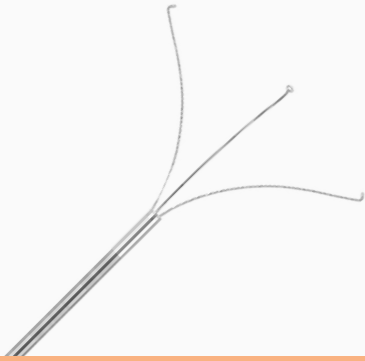
### Reusable Grasping Forceps [Half-Scissors Type]

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use	
AF-2415GO102	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417GO102	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GO102	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GO102	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

To shear the remnant part of the ligature after ligation.



## Reusable Grasping Forceps ( Autoclavable )



Reusable Grasping Forceps  
【3-Prong Type】



Reusable Grasping Forceps  
【5-Prong Type】



Reusable Grasping Forceps  
【2-Prong Type】

Reusable Grasping Forceps 【3-Prong Type】			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807GM103	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-1810GM103	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815GM103	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-2416GM103	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-2417GM103	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421GM103	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423GM103	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Reusable Grasping Forceps 【3-Prong Hook Type】			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807GM103-H	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-1810GM103-H	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815GM103-H	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-2416GM103-H	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-2417GM103-H	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421GM103-H	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423GM103-H	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Reusable Grasping Forceps 【5-Prong Type】			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807GM105	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-1810GM105	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815GM105	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-2416GM105	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-2417GM105	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421GM105	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423GM105	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Reusable Grasping Forceps 【5-Prong Hook Type】			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1807GM105-H	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-1810GM105-H	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815GM105-H	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-2416GM105-H	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-2417GM105-H	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421GM105-H	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423GM105-H	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Reusable Grasping Forceps 【2-Prong Type】			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-2416GZ102	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-2417GZ102	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421GZ102	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423GZ102	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

## Reusable Retrieval Baskets



Reusable Spirality Basket  
【Nitinol】



Reusable Basket without Tip  
【Nitinol】



Reusable Fold Angular Basket  
【Stainless Steel】

Reusable Fold Angular Basket 【Stainless Steel】					
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Opening Width	Use	
AF-1807GL0	Ø1.8x700mm	≥Ø2.0mm	10/15/20mm	Choledochoscopy	
AF-1810GL0	Ø1.8x1000mm	≥Ø2.0mm	10/15/20mm	Bronchoscopy	
AF-1816GL0	Ø1.8x1600mm	≥Ø2.0mm	10/15/20mm	Gastroscopy	
AF-1825GL0	Ø1.8x2500mm	≥Ø2.0mm	10/15/20mm	Enteroscopy	
AF-2415GL0	Ø2.4x1500mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy	
AF-2417GL0	Ø2.4x1700mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy	
AF-2421GL0	Ø2.4x2100mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy	
AF-2423GL0	Ø2.4x2300mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy	

For retrieval of round and slippery objects.



## Reusable Retrieval Baskets

Reusable Basket without Tip 【Nitinol】					
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Opening Width	Use	
AF-1807GL1	Ø1.8x700mm	≥Ø2.0mm	10/15/20mm	Choledochoscopy	
AF-1810GL1	Ø1.8x1000mm	≥Ø2.0mm	10/15/20mm	Bronchoscopy	
AF-1816GL1	Ø1.8x1600mm	≥Ø2.0mm	10/15/20mm	Gastroscopy	
AF-1825GL1	Ø1.8x2500mm	≥Ø2.0mm	10/15/20mm	Enteroscopy	
AF-2415GL1	Ø2.4x1500mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy	
AF-2417GL1	Ø2.4x1700mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy	
AF-2421GL1	Ø2.4x2100mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy	
AF-2423GL1	Ø2.4x2300mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy	

For retrieval of round and slippery objects.

Reusable Spirality Basket 【Nitinol】					
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Opening Width	Use	
AF-1807GL2	Ø1.8x700mm	≥Ø2.0mm	10/15/20mm	Choledochoscopy	
AF-1810GL2	Ø1.8x1000mm	≥Ø2.0mm	10/15/20mm	Bronchoscopy	
AF-1816GL2	Ø1.8x1600mm	≥Ø2.0mm	10/15/20mm	Gastroscopy	
AF-1825GL2	Ø1.8x2500mm	≥Ø2.0mm	10/15/20mm	Enteroscopy	
AF-2415GL2	Ø2.4x1500mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy	
AF-2417GL2	Ø2.4x1700mm	≥Ø2.8mm	10/15/20/25/30/35mm	Gastroscopy	
AF-2421GL2	Ø2.4x2100mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy	
AF-2423GL2	Ø2.4x2300mm	≥Ø2.8mm	10/15/20/25/30/35mm	Colonoscopy	

Ideal for retrieval of foreign bodies.

# Electrosurgical Electrodes

REUSABLE

## Reusable Electrosurgical Electrodes [Autoclavable]

AUTOCLAVABLE  
134°C  
273°F



Reusable Coagulation Electrode



Reusable Hot Biopsy



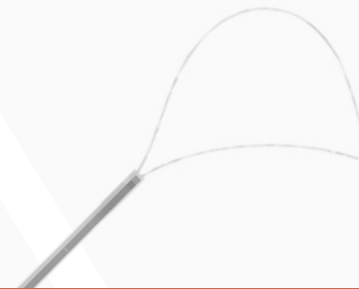
Reusable Needle Knife



Reusable Electrical Snare  
【Oval Type】



Reusable Electrical Snare  
【Hexagonal Type】




Reusable Electrical Snare  
【Half-Moon Type】

## Reusable Electrosurgical Electrodes [Autoclavable]



Reusable Coagulation Electrode			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1810DQ	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815DQ	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825DQ	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415DQ	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417DQ	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421DQ	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423DQ	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



For coagulation of blood vessels. Exchangeable coagulation tips. Standard set includes: one handle, eight electrode tips.

Reusable Hot Biopsy			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1810DG	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815DG	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825DG	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415DG	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417DG	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421DG	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423DG	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



For cutting small polyps and coagulation of small vessels.

Reusable Needle Knife			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1810DZ	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815DZ	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825DZ	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415DZ	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417DZ	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421DZ	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423DZ	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy




Cut tissue with high-frequency current. Needle length: 4mm. Standard set includes: one handle, two electrode wires.

## Reusable Electrosurgical Electrodes [Autoclavable]




Reusable Electrical Snare [Oval Type]				
Item No.	Opening Width	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1810DT	10/15/20mm	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1816DT	10/15/20mm	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-1825DT	10/15/20mm	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2416DT	10/15/20/25/30/35mm	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-2421DT	10/15/20/25/30/35mm	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423DT	10/15/20/25/30/35mm	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy




Cut polyp with high-frequency current. It can be made rotatable. Standard set includes: one handle, two snares.

Reusable Electrical Snare [Hexagonal Type]				
Item No.	Opening Width	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1810DL	10/15/20mm	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1816DL	10/15/20mm	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-1825DL	10/15/20mm	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2416DL	10/15/20/25/30/35mm	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-2421DL	10/15/20/25/30/35mm	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423DL	10/15/20/25/30/35mm	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



Cut polyp with high-frequency current. It can be made rotatable. Standard set includes: one handle, two snares.

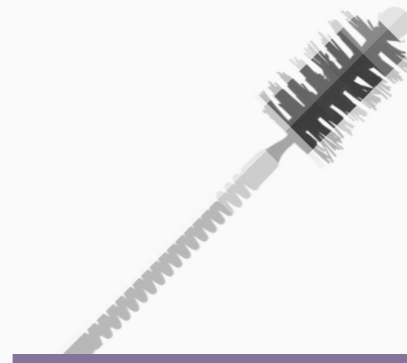
Reusable Electrical Snare [Half-Moon Type]				
Item No.	Opening Width	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1810DB	10/15/20mm	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1816DB	10/15/20mm	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-1825DB	10/15/20mm	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2416DB	10/15/20/25/30/35mm	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-2421DB	10/15/20/25/30/35mm	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423DB	10/15/20/25/30/35mm	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



Cut polyp with high-frequency current. Standard set includes: one handle, two snares.

# Injection Needles & Scissor Type & Brushes

REUSABLE



Reusable Cleaning Brushes



Reusable Port Hole Cleaning Brushes



Reusable Injection Needle ( Metal Sheath )



Reusable Scissors Type

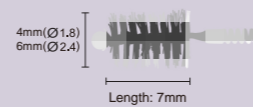


Reusable Half-Scissors Type

## Reusable Brushes



Reusable Cleaning Brushes			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-1810WA301	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1816WA301	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-2416WA301	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-2422WA301	Ø2.4x2200mm	≥Ø2.8mm	Gastroscopy



Reusable Port Hole Cleaning Brushes	
	Item No: AF-1004WA303

AUTOCLAVABLE  
134°C  
273°F

## Reusable Injection Needle [Autoclavable]



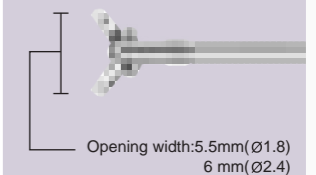
Reusable Injection Needle ( Metal Sheath )					
Item No.	Tube Diameter & Working Length	Needle Diameter	Needle Length	Working Channel Diameter	Use
AF-1807PN	Ø1.8x700mm	23/25G	4/5mm	≥Ø2.0mm	Choledochscopy
AF-1810PN	Ø1.8x1000mm	23/25G	4/5/6mm	≥Ø2.0mm	Bronchoscopy
AF-1816PN	Ø1.8x1600mm	23/25G	4/5/6mm	≥Ø2.0mm	Gastroscopy
AF-2416PN	Ø2.4x1600mm	21/23/25G	4/5/6mm	≥Ø2.8mm	Gastroscopy
AF-2422PN	Ø2.4x2200mm	21/23/25G	4/5/6mm	≥Ø2.8mm	Colonoscopy

Stainless steel needle point. Metal needle inner tube and outer tube.

AUTOCLAVABLE  
134°C  
273°F

## Reusable Scissors Type [Autoclavable]

Reusable Scissors Type			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-2415GO101	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417GO101	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421GO101	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423GO101	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



Applicable to the biopsy under the endoscope.

Reusable Half-Scissors Type			
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Use
AF-2415GO102	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417GO102	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421GO102	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423GO102	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



To shear the remnant part of the ligature after ligation.