



BRONCHOSCOPY

ENDOSCOPIC ACCESSORIES



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Alton Products Manual

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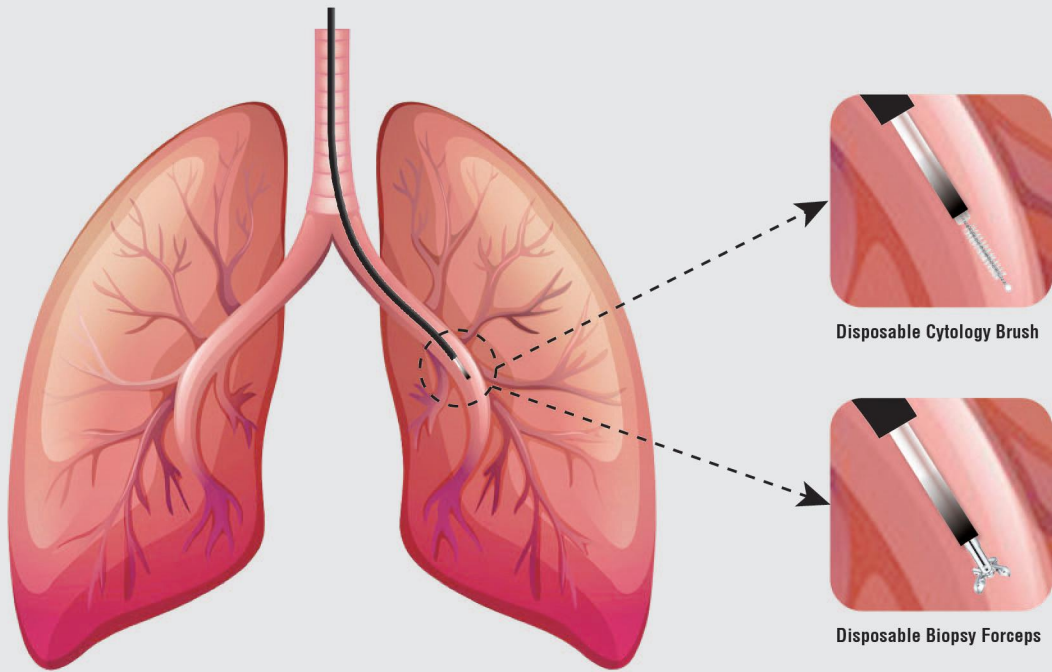
Single Use Guide Sheath Kit



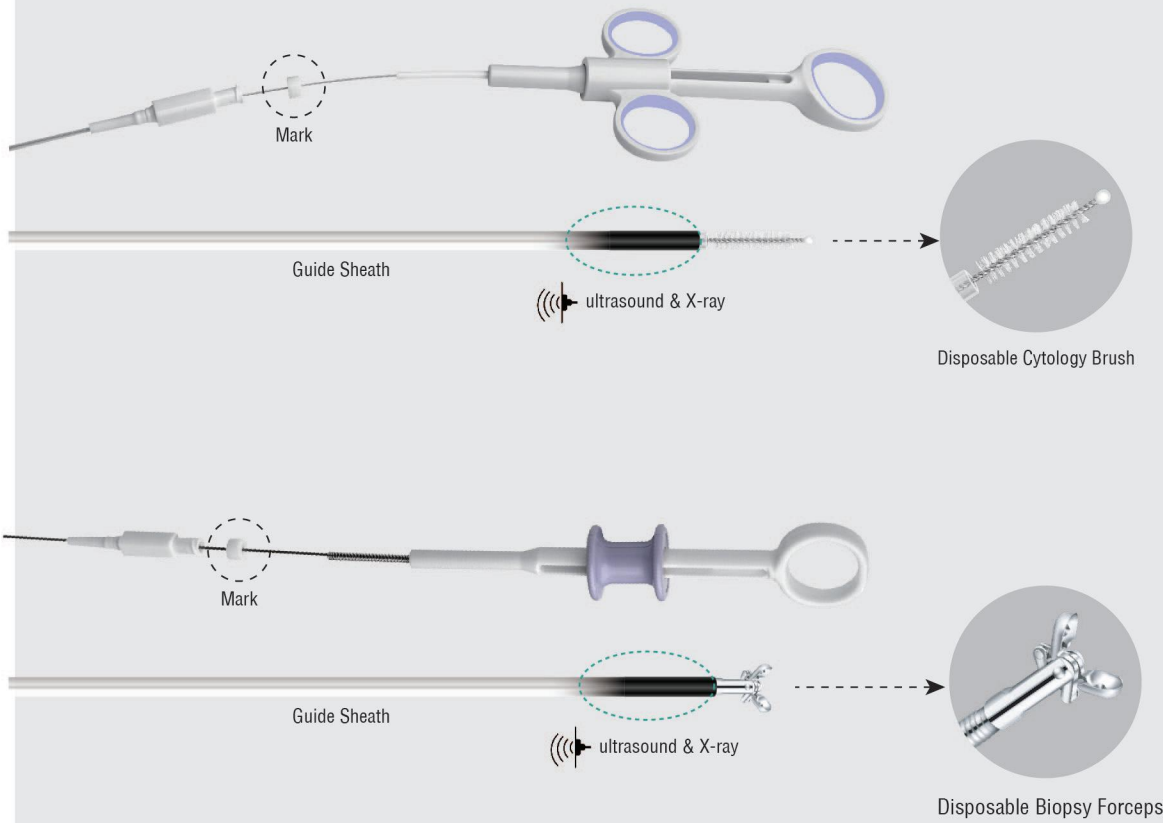
Disposable Biopsy Needle



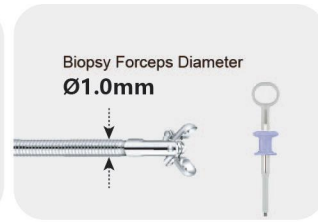
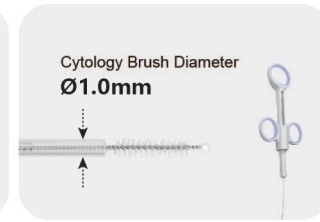
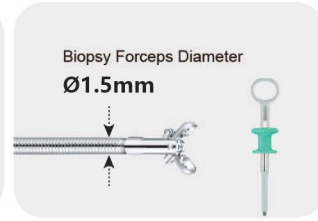
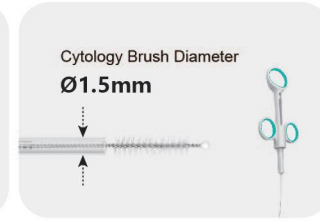
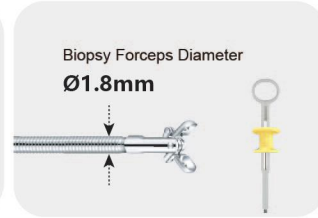
Single Use Guide Sheath Kit



Disposable sheath set consists of biopsy forceps, cytology brush and sheath. Used to quickly and accurately reach the lesion for biopsy sampling under ultrasound, navigation or other equipment.



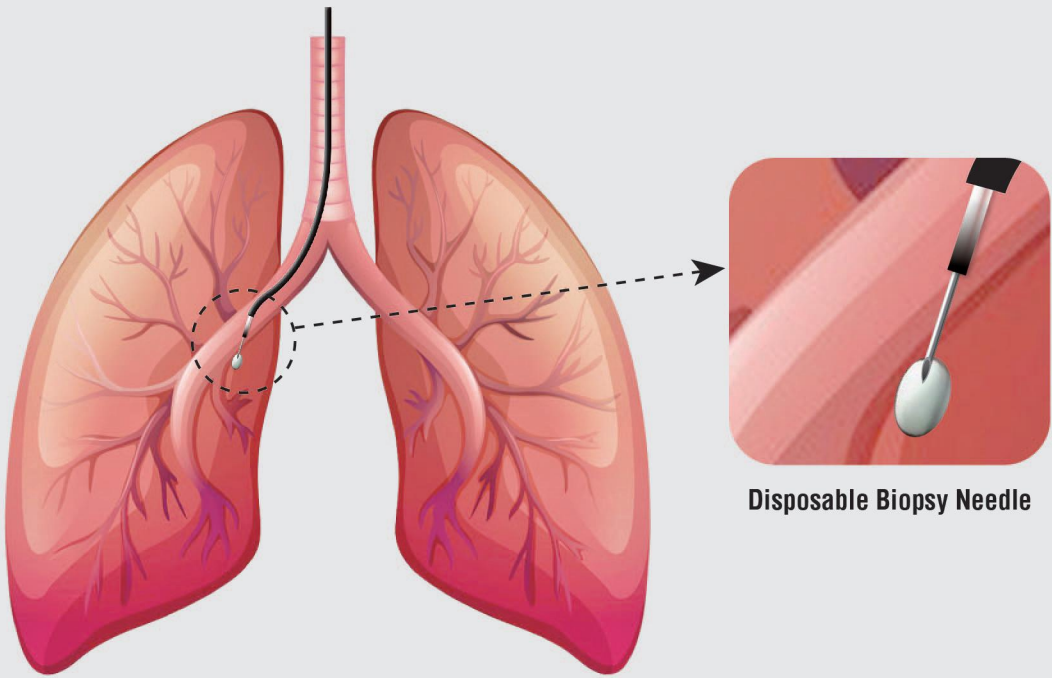
Product Category

			Applicable Models: AF-D1610GS5 / AF-D1612GS5 AF-D1610GS6 / AF-D1612GS6
			Applicable Models: AF-D1910GS5 / AF-D1912GS5 AF-D1910GS6 / AF-D1912GS6
			Applicable Models: AF-D2510GS5 / AF-D2512GS5 AF-D2510GS6 / AF-D2512GS6

Product Model

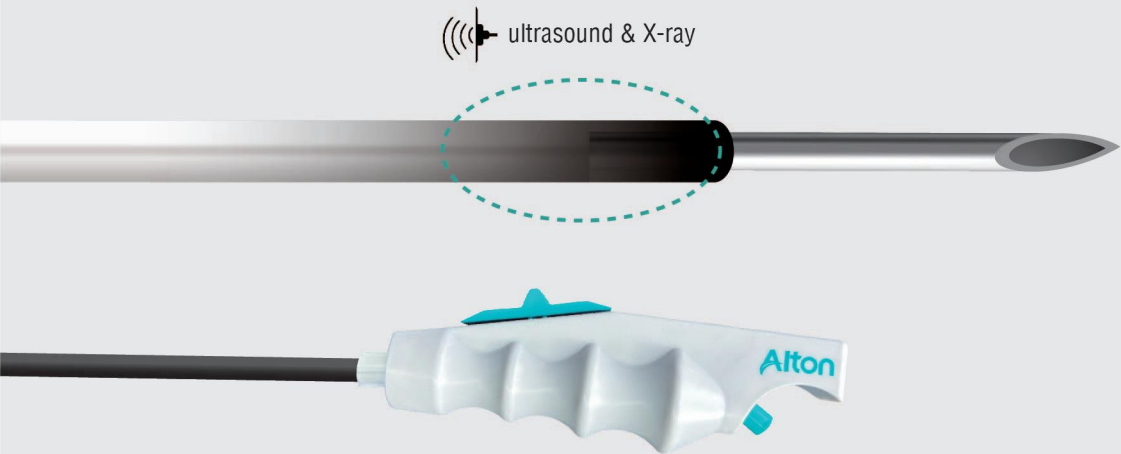
Item No.	Sheath Diameter	Sheath Working Length	Biopsy Forceps Coated Or Not	Biopsy Forceps Diameter	Biopsy Forceps Working Length	Cytology Brush Diameter	Cytology Brush Working Length
AF-D1610GS5	Ø1.6mm	1050mm	Non-Coated	Ø1.0mm	1100mm	Ø1.0mm	1100mm
AF-D1910GS5	Ø1.9mm	1050mm	Non-Coated	Ø1.5mm	1100mm	Ø1.5mm	1100mm
AF-D2510GS5	Ø2.5mm	1050mm	Non-Coated	Ø1.8mm	1100mm	Ø1.8mm	1100mm
AF-D1612GS5	Ø1.6mm	1200mm	Non-Coated	Ø1.0mm	1250mm	Ø1.0mm	1250mm
AF-D1912GS5	Ø1.9mm	1200mm	Non-Coated	Ø1.5mm	1250mm	Ø1.5mm	1250mm
AF-D2512GS5	Ø2.5mm	1200mm	Non-Coated	Ø1.8mm	1250mm	Ø1.8mm	1250mm
AF-D1610GS6	Ø1.6mm	1050mm	Coated	Ø1.0mm	1100mm	Ø1.0mm	1100mm
AF-D1910GS6	Ø1.9mm	1050mm	Coated	Ø1.5mm	1100mm	Ø1.5mm	1100mm
AF-D2510GS6	Ø2.5mm	1050mm	Coated	Ø1.8mm	1100mm	Ø1.8mm	1100mm
AF-D1612GS6	Ø1.6mm	1200mm	Coated	Ø1.0mm	1250mm	Ø1.0mm	1250mm
AF-D1912GS6	Ø1.9mm	1200mm	Coated	Ø1.5mm	1250mm	Ø1.5mm	1250mm
AF-D2512GS6	Ø2.5mm	1200mm	Coated	Ø1.8mm	1250mm	Ø1.8mm	1250mm

Disposable Biopsy Needle



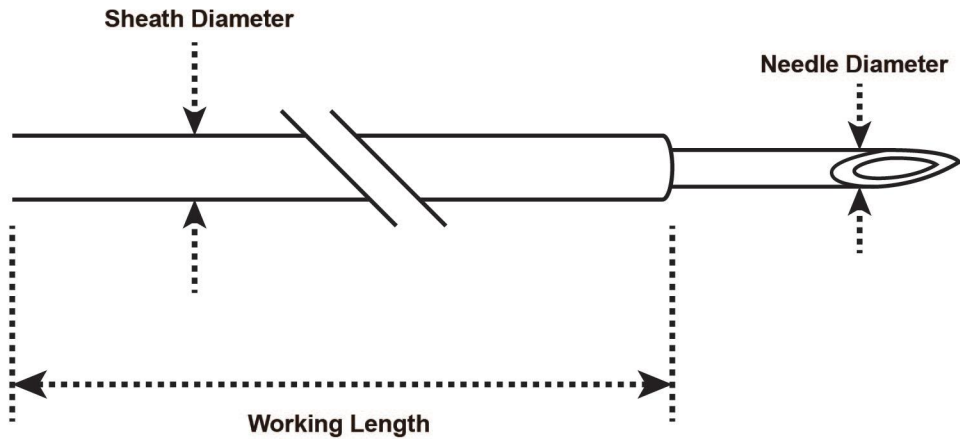
Disposable Biopsy Needle

Used for lung cytology and histology biopsy.
The locking feature makes the tip stable and easy to operate, protecting the working channel in retraction.



Product Model

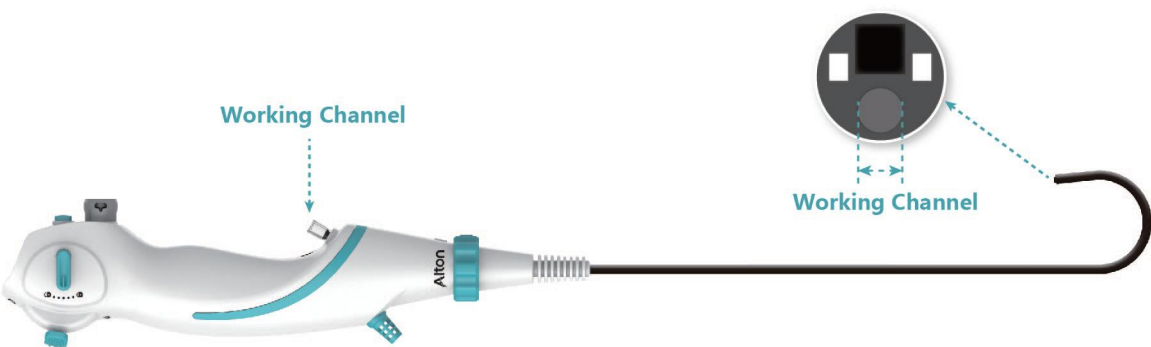
Item.No	Sheath Diameter	Needle Diameter	Working Length
AF-D1107NQ22	1.1mm	22G	700mm
AF-D1109NQ22	1.1mm	22G	900mm
AF-D1111NQ22	1.1mm	22G	1100mm
AF-D1407NQ22	1.4mm	22G	700mm
AF-D1409NQ22	1.4mm	22G	900mm
AF-D1411NQ22	1.4mm	22G	1100mm
AF-D1407NQ20	1.4mm	20G	700mm
AF-D1409NQ20	1.4mm	20G	900mm
AF-D1411NQ20	1.4mm	20G	1100mm
AF-D1907NQ22	1.9mm	22G	700mm
AF-D1909NQ22	1.9mm	22G	900mm
AF-D1911NQ22	1.9mm	22G	1100mm
AF-D1907NQ20	1.9mm	20G	700mm
AF-D1909NQ20	1.9mm	20G	900mm
AF-D1911NQ20	1.9mm	20G	1100mm
AF-D1907NQ18	1.9mm	18G	700mm
AF-D1909NQ18	1.9mm	18G	900mm
AF-D1911NQ18	1.9mm	18G	1100mm



Single-Use Bronchoscope



Model For Single-Use Bronchoscope



Item No.	Effective Length	Maximum O.D.	Insertion Tube O.D.	Working Channel
AE-B36LSR	700mm	8.25Fr	7.5Fr	3.6Fr
AE-B51LSR	700mm	12.21Fr	11.1Fr	5.1Fr
AE-B60LSR	600mm	13.2Fr	12Fr	6.0Fr
AE-B66LSR	600mm	16.17Fr	14.7Fr	6.6Fr
AE-B84LSR	600mm	19.14Fr	17.4Fr	8.4Fr
AE-B96LSR	600mm	20.46Fr	18.6Fr	9.6Fr

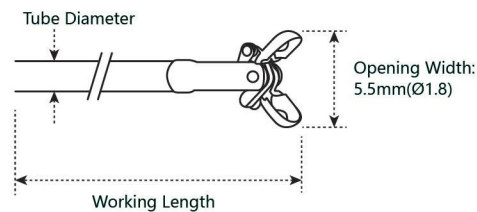
Disposable Biopsy Forceps



Disposable Biopsy Forceps (Oval Cups Coated Type)

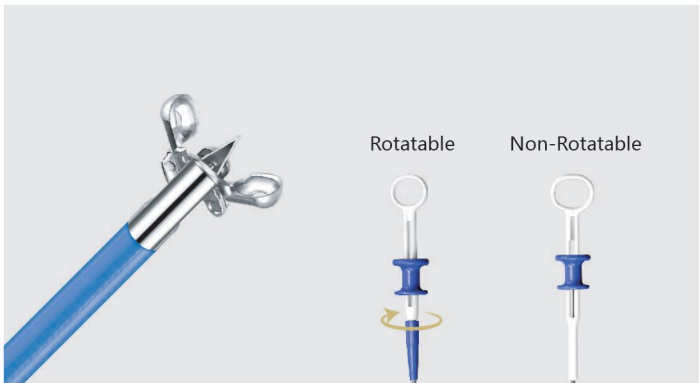


Oval and fenestrated cups for deeper biopsy.
Optional rotatable and non-rotatable.

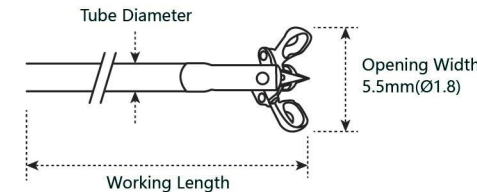


Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length
AF-D1810BTC	AF-D1810BTC(R)	Ø1.8x1000mm
AF-D1812BTC	AF-D1812BTC(R)	Ø1.8x1200mm

Disposable Biopsy Forceps (Oval Cups With Needle Coated Type)

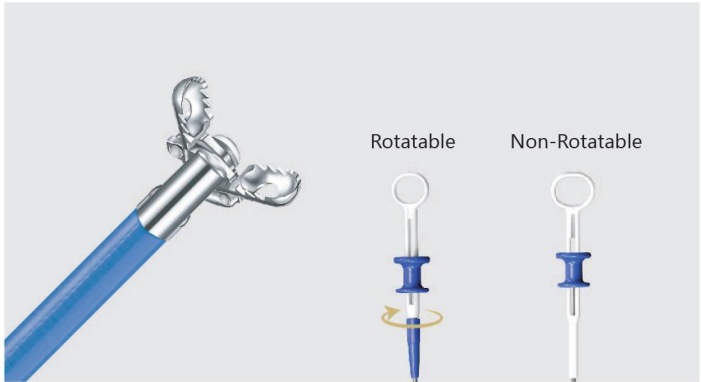


Oval, fenestrated cups with spike for accurate targeting.
No sliding for gathering bigger tissue samples.
Optional rotatable and non-rotatable.

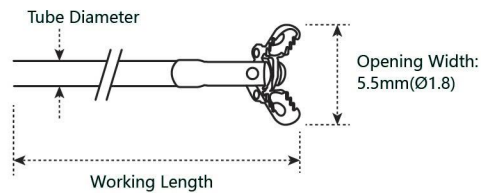


Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length
AF-D1810BWC	AF-D1810BWC(R)	Ø1.8x1000mm
AF-D1812BWC	AF-D1812BWC(R)	Ø1.8x1200mm

Disposable Biopsy Forceps (Alligator Jaws Cups Coated Type)

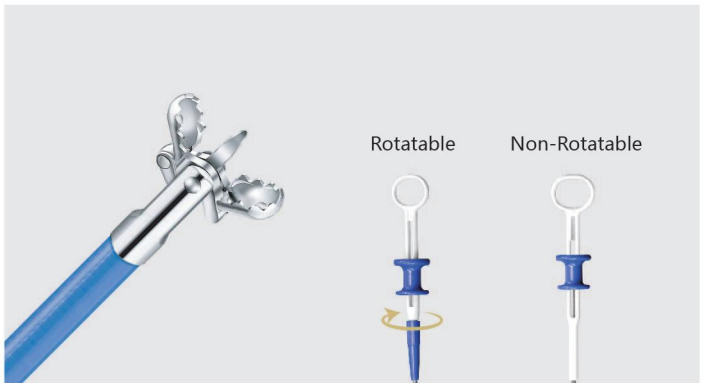


Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue. Optional rotatable and non-rotatable.

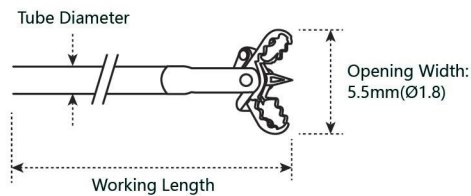


Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length
AF-D1810BUC	AF-D1810BUC(R)	Ø1.8x1000mm
AF-D1812BUC	AF-D1812BUC(R)	Ø1.8x1200mm

Disposable Biopsy Forceps (Alligator Jaws Cups With Needle Coated Type)

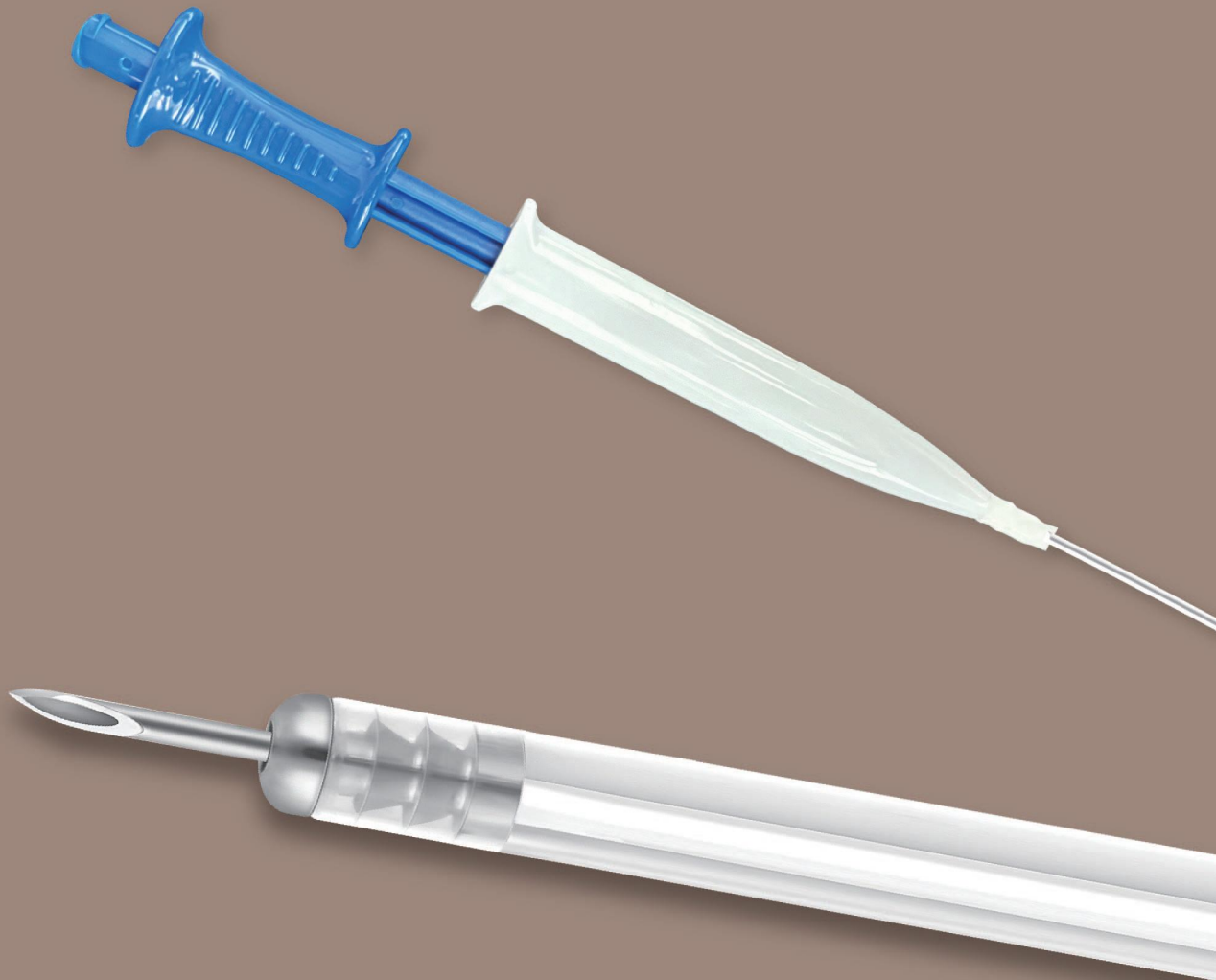


Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue. No slippage with spike for accurate targeting. Optional rotatable and non-rotatable.



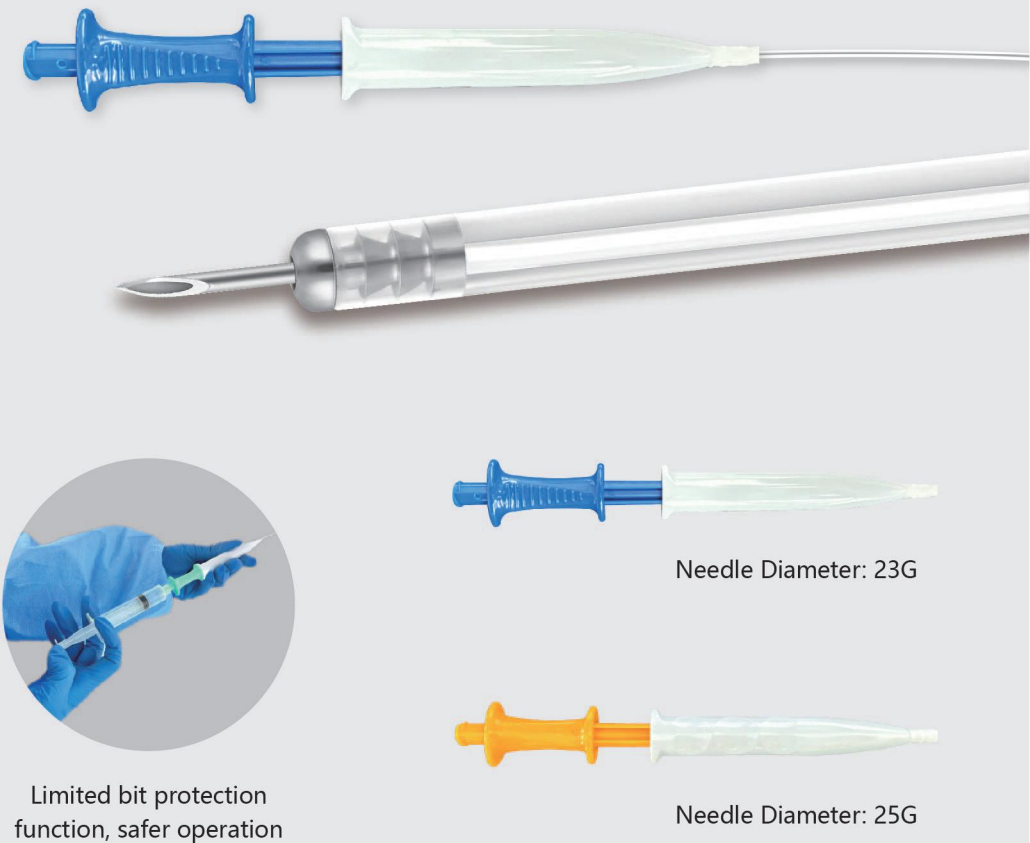
Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length
AF-D1810BZC	AF-D1810BZC(R)	Ø1.8x1000mm
AF-D1812BZC	AF-D1812BZC(R)	Ø1.8x1200mm

Disposable Injection Needle





Stainless steel needle tip, diamond section, Sharper when inserted into tissue.
Using a mixed Teflon inner and outer sheath, The flow rate is large and the injection is fast and smooth.



Limited bit protection
function, safer operation

Needle Diameter: 23G

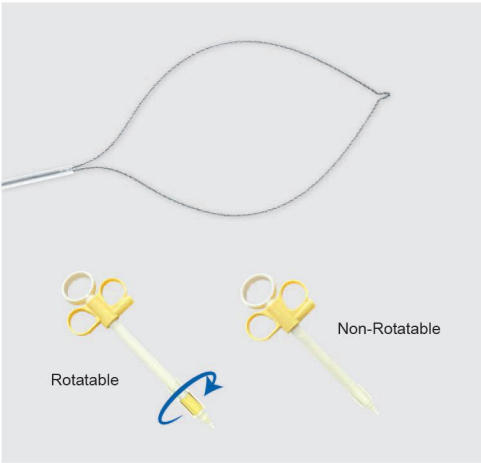
Needle Diameter: 25G

Item No.	Needle Length	Needle Diameter	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810PN2304	4mm	23G	Ø1.8x1000mm	≥Ø2.0mm
AF-D1810PN2305	5mm	23G		
AF-D1810PN2306	6mm	23G		
AF-D1810PN2504	4mm	25G		
AF-D1810PN2505	5mm	25G		
AF-D1810PN2506	6mm	25G		
AF-D1812PN2304	4mm	23G	Ø1.8x1200mm	≥Ø2.0mm
AF-D1812PN2305	5mm	23G		
AF-D1812PN2306	6mm	23G		
AF-D1812PN2504	4mm	25G		
AF-D1812PN2505	5mm	25G		
AF-D1812PN2506	6mm	25G		

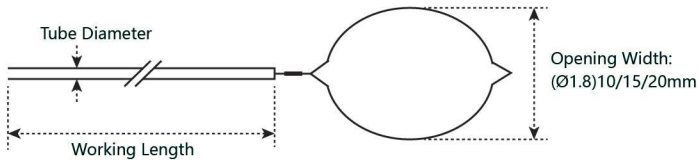
Electrosurgical Electrodes



Disposable Electrical Snare (Oval Type)

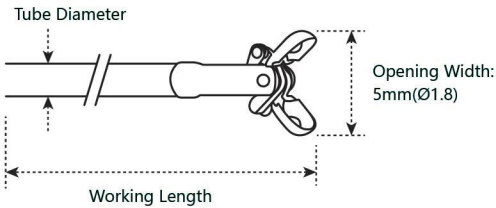


Both rotatable and non-rotatable are available. Cut polyp with high-frequency current. Special alloy strands easy control of cutting and solidification.



Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810DT	AF-D1810DTR	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812DT	AF-D1812DTR	Ø1.8x1200mm	≥Ø2.0mm

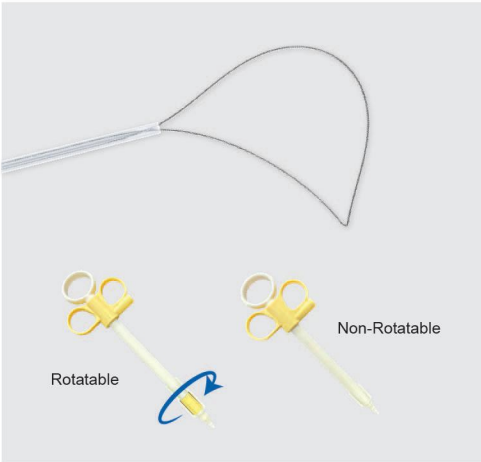
Disposable Hot Biopsy Forceps



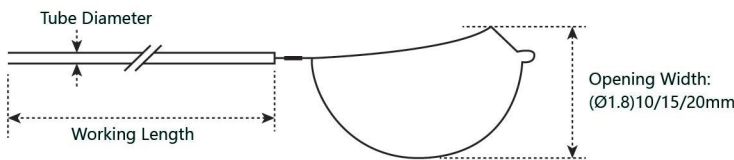
Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810DG	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812DG	Ø1.8x1200mm	≥Ø2.0mm

For cutting small polyps and coagulation of small vessels.

Disposable Electrical Snare (Half-Moon Type)

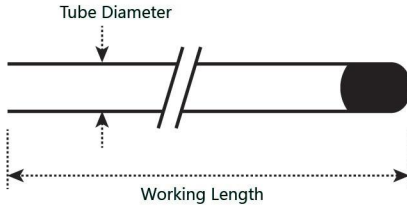


Both rotatable and non-rotatable are available. Cut polyp with high-frequency current. Special alloy strands easy control of cutting and solidification.



Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810DB	AF-D1810DBR	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812DB	AF-D1812DBR	Ø1.8x1200mm	≥Ø2.0mm

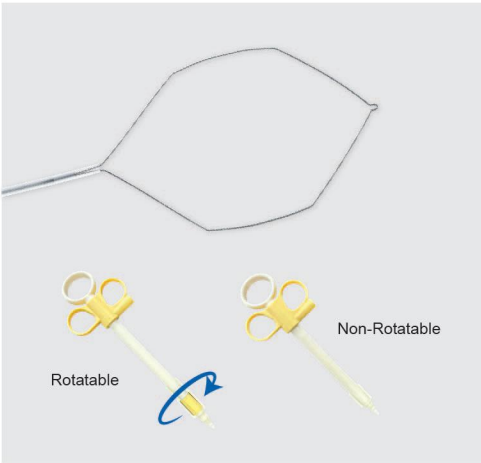
Reusable Coagulation Electrode



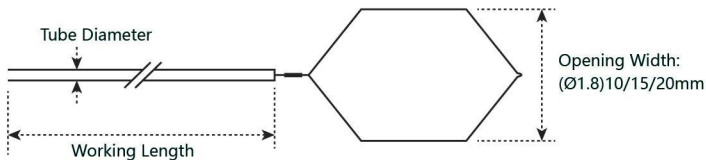
Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-1810DQ	Ø1.8x1000mm	≥Ø2.0mm
AF-1812DQ	Ø1.8x1200mm	≥Ø2.0mm

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

Disposable Electrical Snare (Hexagonal Type)

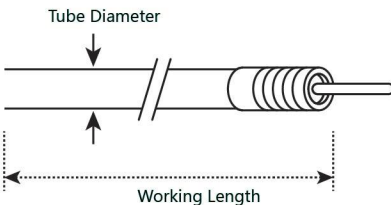


Both rotatable and non-rotatable are available. Cut polyp with high-frequency current. Special alloy strands easy control of cutting and solidification.



Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810DL	AF-D1810DLR	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812DL	AF-D1812DLR	Ø1.8x1200mm	≥Ø2.0mm

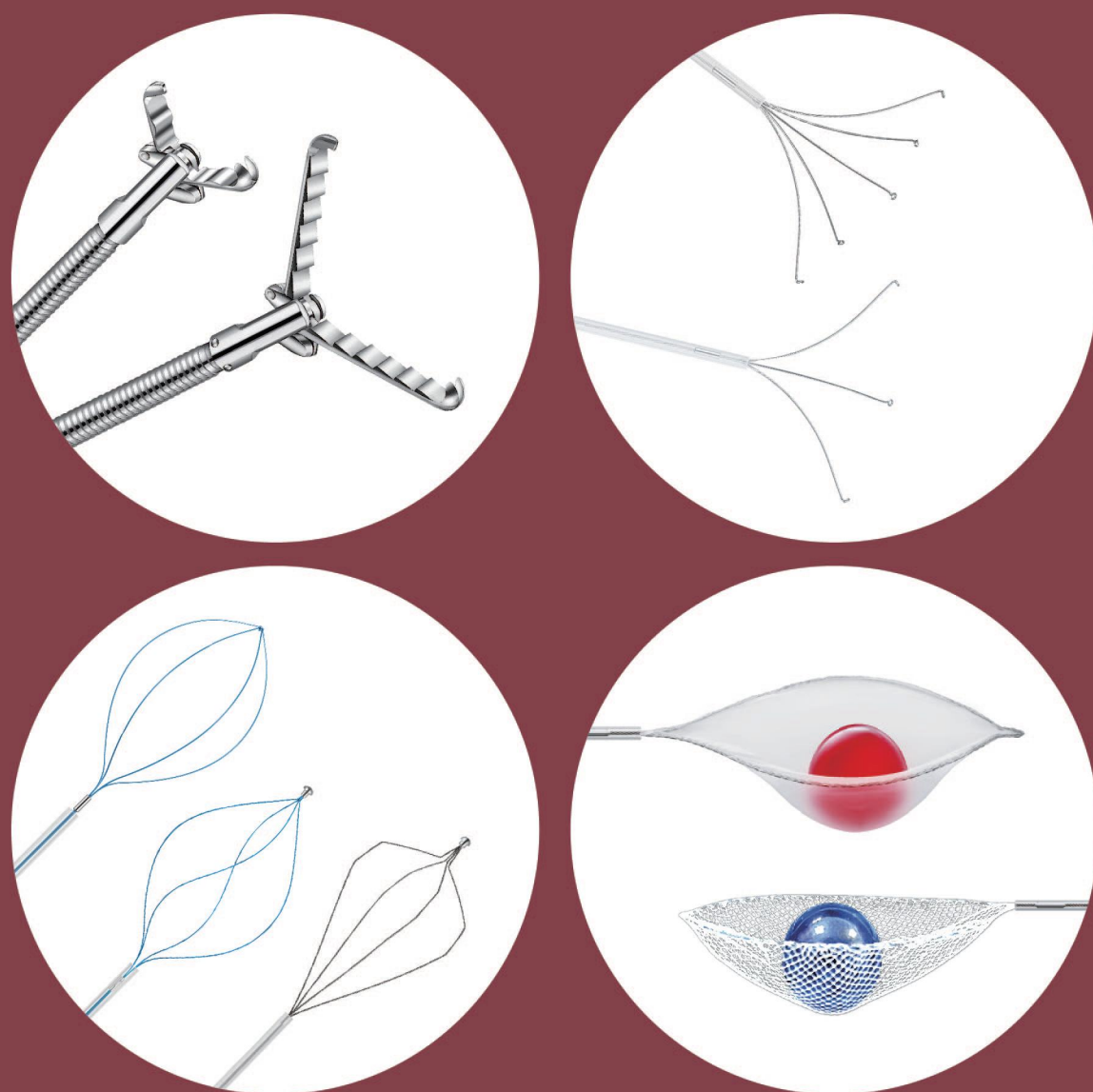
Reusable Needle Knife



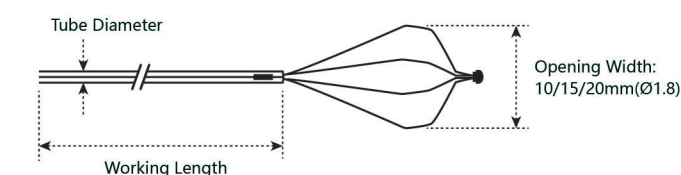
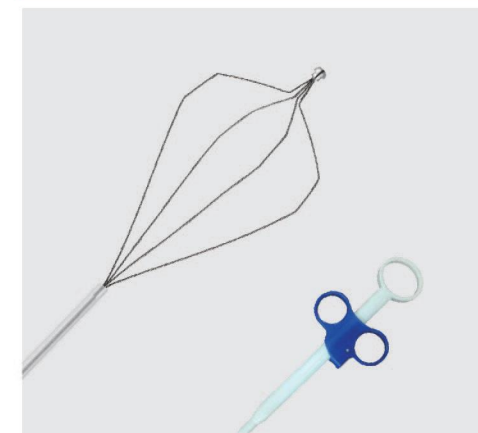
Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-1810DZ	Ø1.8x1000mm	≥Ø2.0mm
AF-1812DZ	Ø1.8x1200mm	≥Ø2.0mm

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

Removal of foreign objects



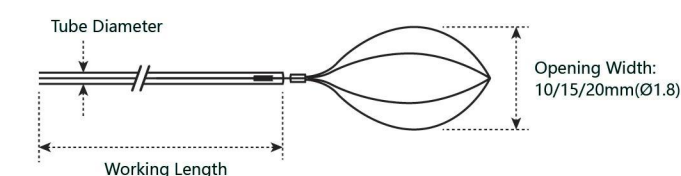
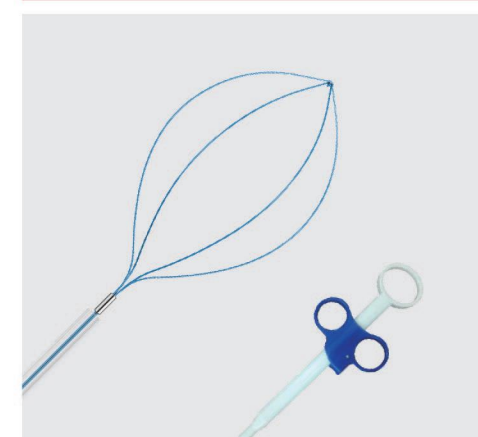
Disposable Retrieval Basket (Fold Angular Basket Type, Stainless Steel)



Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GL0	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GL0	Ø1.8x1200mm	≥Ø2.0mm

For retrieval of round and slippery objects.

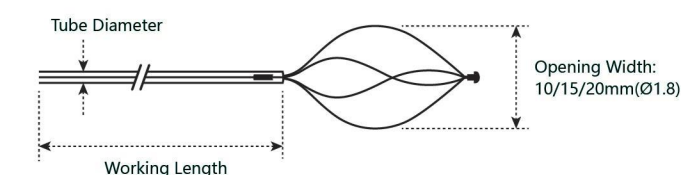
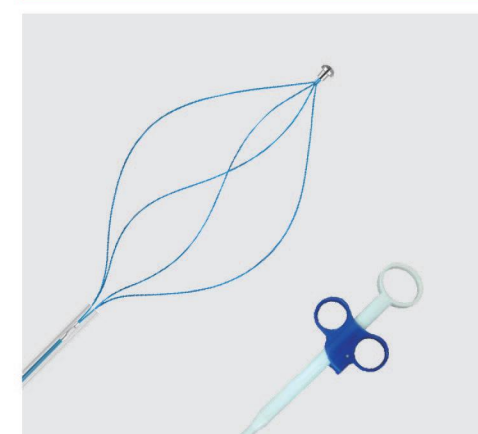
Disposable Retrieval Basket (Basket without Tip Type, Nitinol)



Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GL1	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GL1	Ø1.8x1200mm	≥Ø2.0mm

For retrieval of round and slippery objects.

Disposable Retrieval Basket (Spirality Basket Type, Nitinol)



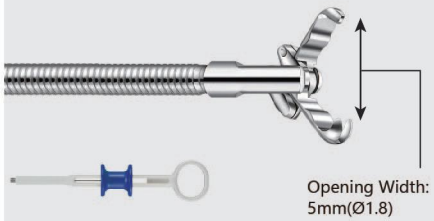
Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GL2	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GL2	Ø1.8x1200mm	≥Ø2.0mm

For retrieval of round and slippery objects.

Disposable Grasping Forceps



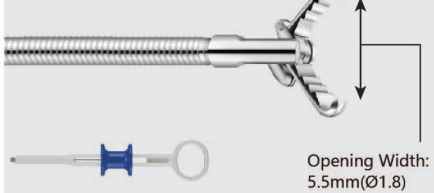
Rat Tooth Type



Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GI	AF-D1810GIR	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GI	AF-D1812GIR	Ø1.8x1200mm	≥Ø2.0mm

Rat tooth for flat and hard objects (e.g.coins).
Both rotatable and non-rotatable are available.

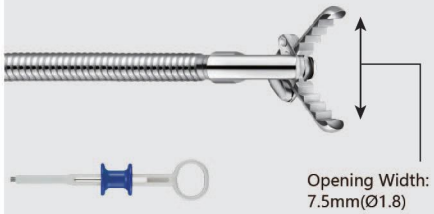
Rat Tooth With
Alligator Jaws Type



Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GJ	AF-D1810GJR	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GJ	AF-D1812GJR	Ø1.8x1200mm	≥Ø2.0mm

Sharp tooth, long jaws for difficult retrieval of flat and hard objects.
Both rotatable and non-rotatable are available.

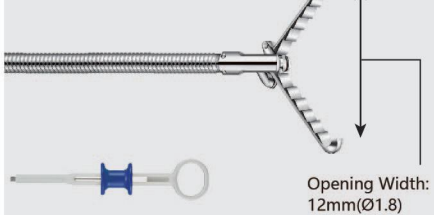
Alligator Jaws Type



Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GH	AF-D1810GHR	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GH	AF-D1812GHR	Ø1.8x1200mm	≥Ø2.0mm

For sharp-edged objects.
Both rotatable and non-rotatable are available.

Pelican Type



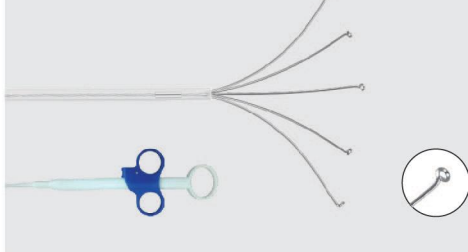
Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GK	AF-D1810GKR	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GK	AF-D1812GKR	Ø1.8x1200mm	≥Ø2.0mm

For big objects.
Both rotatable and non-rotatable are available.

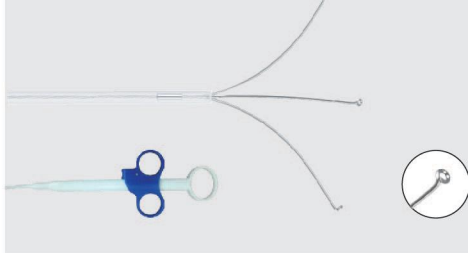
Disposable Grasping Forceps



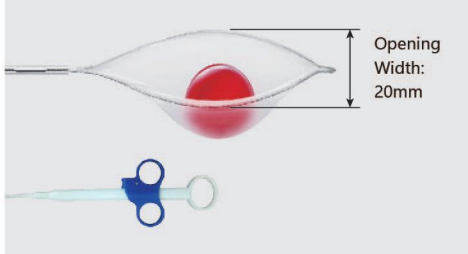
5-Prong Type



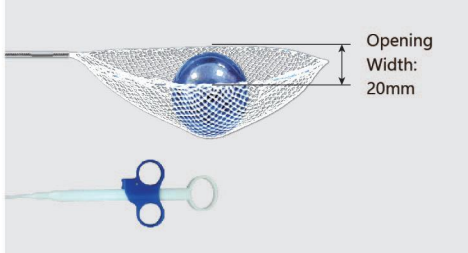
3-Prong Type



Snare With Bag Type, Polyfilm



Snare With Bag Type, Polynet



Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GM105	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GM105	Ø1.8x1200mm	≥Ø2.0mm

Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GM103	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GM103	Ø1.8x1200mm	≥Ø2.0mm

Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GW(A)	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GW(A)	Ø1.8x1200mm	≥Ø2.0mm

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

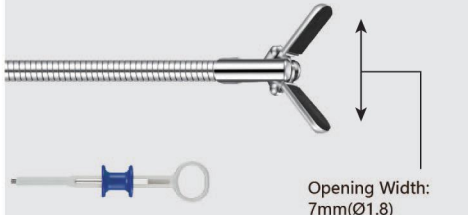
Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810GW(B)	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812GW(B)	Ø1.8x1200mm	≥Ø2.0mm

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

Reusable Grasping Forceps



Rubber Tips Type



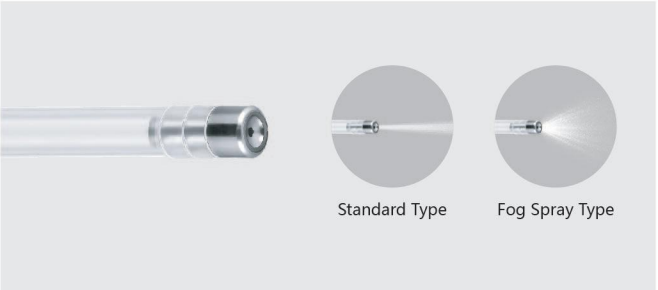
Item No.	Tube Diameter & Working Length	Working Channel Diameter
AF-1810GM102-R	Ø1.8x1000mm	≥Ø2.0mm
AF-1812GM102-R	Ø1.8x1200mm	≥Ø2.0mm

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

Disposable Consumable Products



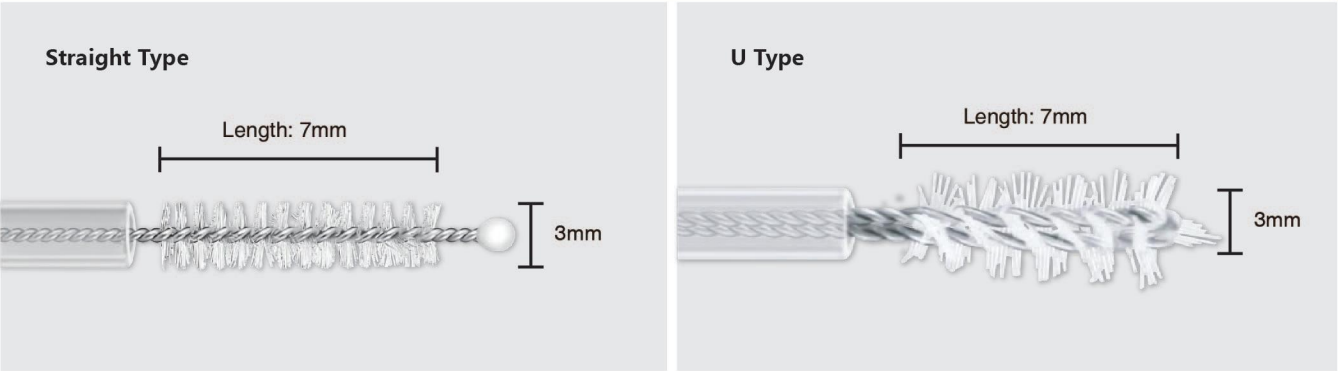
Disposable Spray Catheters



Item No. (Standard Type)	Item No. (Fog Spray Type)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810PA	AF-D1810PB	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812PA	AF-D1812PB	Ø1.8x1200mm	≥Ø2.0mm

Regular irrigation, spray of hemostatic drugs or dyes.
The surface of the outer tube and the passage are smooth.
Unique front-end design, providing high pressure and a large spray area.

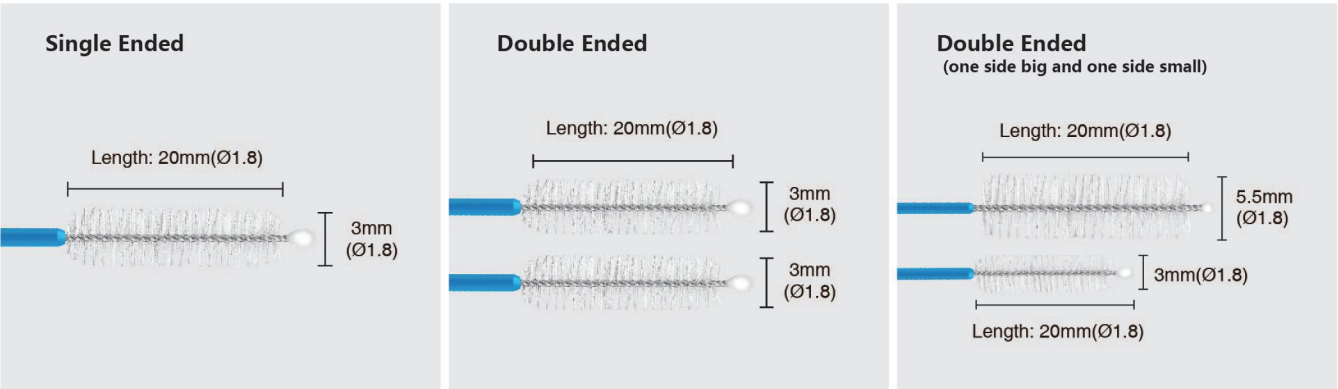
Disposable Cytology Brush



Item No. (Straight Type)	Item No. (U Type)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1810WB	AF-D1810WB-C	Ø1.8x1000mm	≥Ø2.0mm
AF-D1812WB	AF-D1812WB-C	Ø1.8x1200mm	≥Ø2.0mm

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

Disposable Cleaning Brush



Item No. (Single Ended)	Item No. (Double Ended)	Item No. (one side big and one side small)	Tube Diameter & Working Length	Working Channel Diameter
AF-D1818WAS	AF-D1818WA	AF-D1818WAV	Ø1.8x1800mm	≥Ø2.0mm

To clean endoscopic channel.