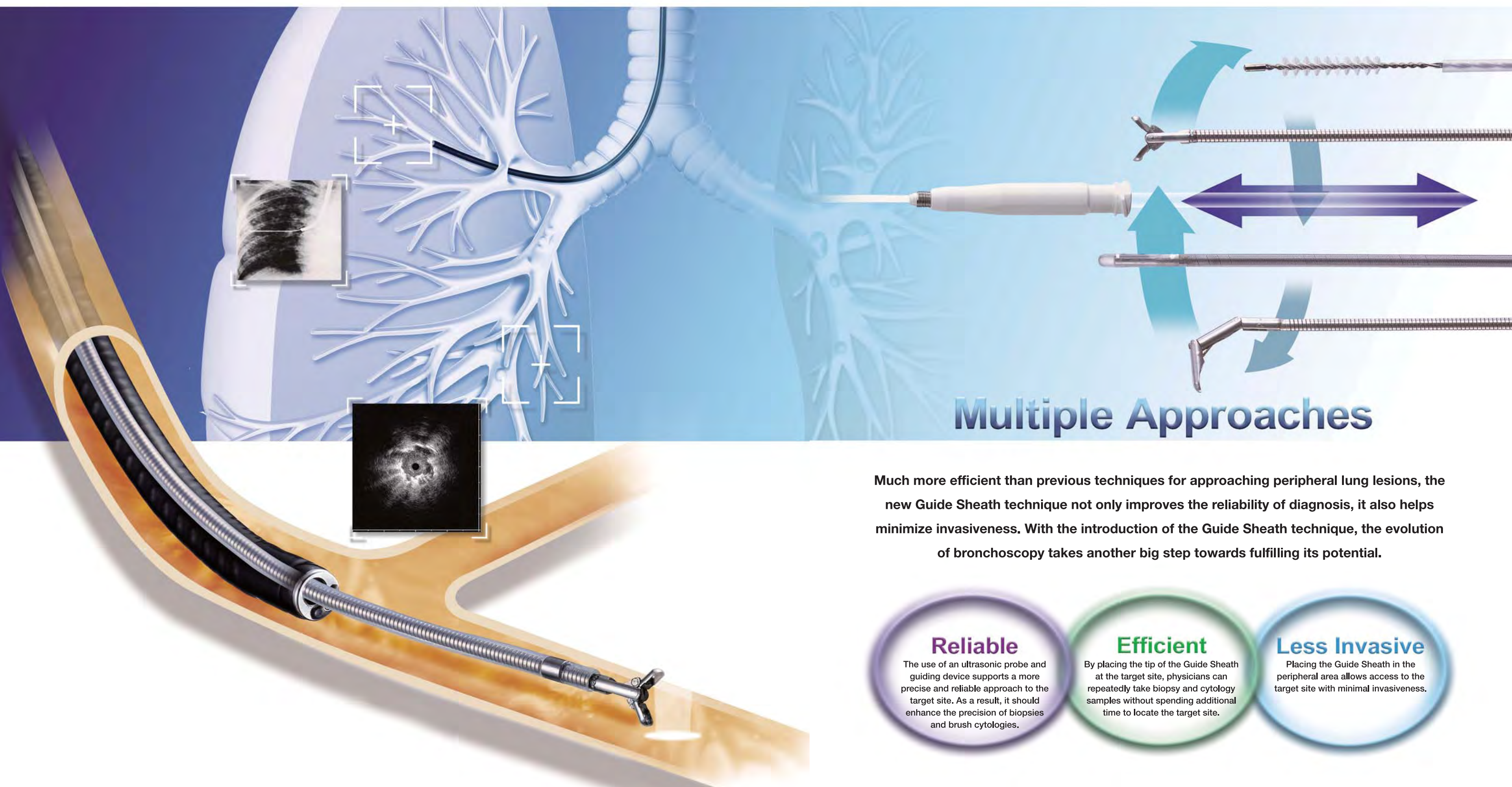


Created to help improve bronchoscopic diagnosis of peripheral lung disease, the Guide Sheath Kit facilitates a new and more efficient approach to target sites

# GuideSheath Kit™



## Multiple Approaches

Much more efficient than previous techniques for approaching peripheral lung lesions, the new Guide Sheath technique not only improves the reliability of diagnosis, it also helps minimize invasiveness. With the introduction of the Guide Sheath technique, the evolution of bronchoscopy takes another big step towards fulfilling its potential.

### Reliable

The use of an ultrasonic probe and guiding device supports a more precise and reliable approach to the target site. As a result, it should enhance the precision of biopsies and brush cytologies.

### Efficient

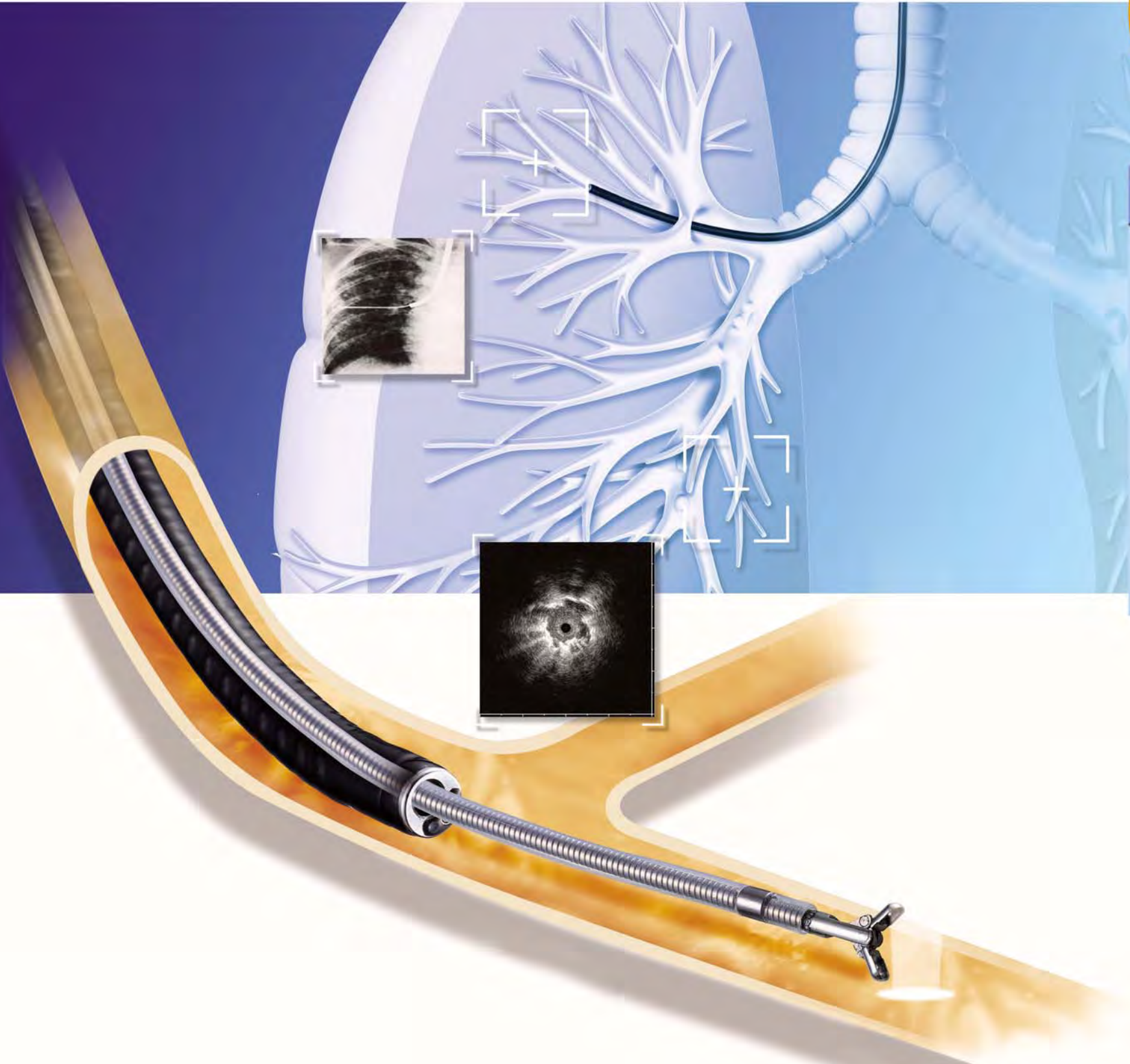
By placing the tip of the Guide Sheath at the target site, physicians can repeatedly take biopsy and cytology samples without spending additional time to locate the target site.

### Less Invasive

Placing the Guide Sheath in the peripheral area allows access to the target site with minimal invasiveness.



Created to help improve bronchoscopic diagnosis of peripheral lung disease, the Guide Sheath Kit facilitates a new and more efficient approach to target sites



Placing the Guide Sheath in a target area allows for multiple approaches to peripheral lesions. The Guide Sheath technique makes it possible to introduce devices, to identify lesions, and to sample lesions efficiently.


Guide Sheath Technique Procedure

**1 Position the ET stopper and US stopper**



Attach the ET stopper or US stopper (if using an ultrasonic probe) to the device that is going to be used. Insert the device into the Guide Sheath with the ET/US stopper toward the Guide Sheath and position so that the tip of the device/probe protrudes from the distal end of the Guide Sheath.

**2 Insert the scope**




Insert the scope into the bronchus.

**3 Insert the Guide Sheath**



Insert the Guide Sheath, with the guiding device or probe in it, into the biopsy port of the scope.

**5 Advance the Guide Sheath under fluoroscopy**



Advance the Guide Sheath as close as possible to the lesion while viewing under fluoroscopy. The tip of the Guide Sheath is radiopaque to allow the user to confirm the position of the Guide Sheath tip under fluoroscopy.

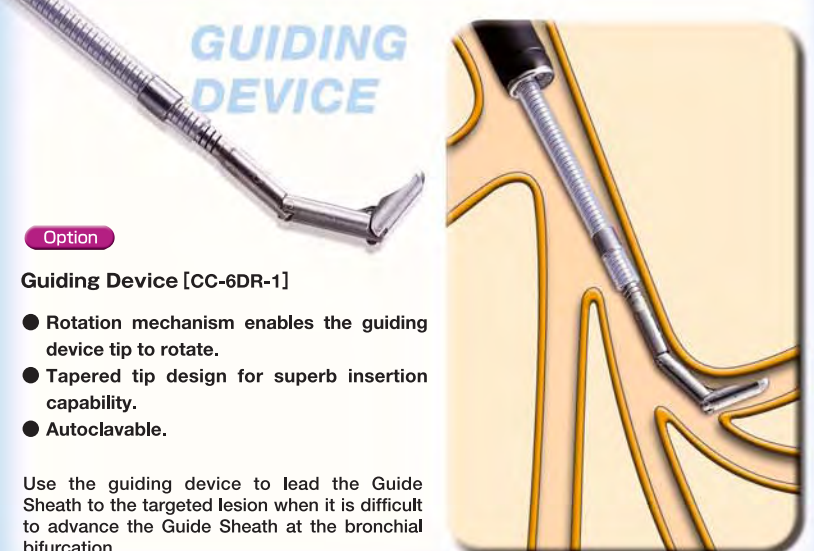
**4 Use the guiding device to reach the targeted lesion**

**Option**

**Guiding Device [CC-6DR-1]**

- Rotation mechanism enables the guiding device tip to rotate.
- Tapered tip design for superb insertion capability.
- Autoclavable.

Use the guiding device to lead the Guide Sheath to the targeted lesion when it is difficult to advance the Guide Sheath at the bronchial bifurcation.

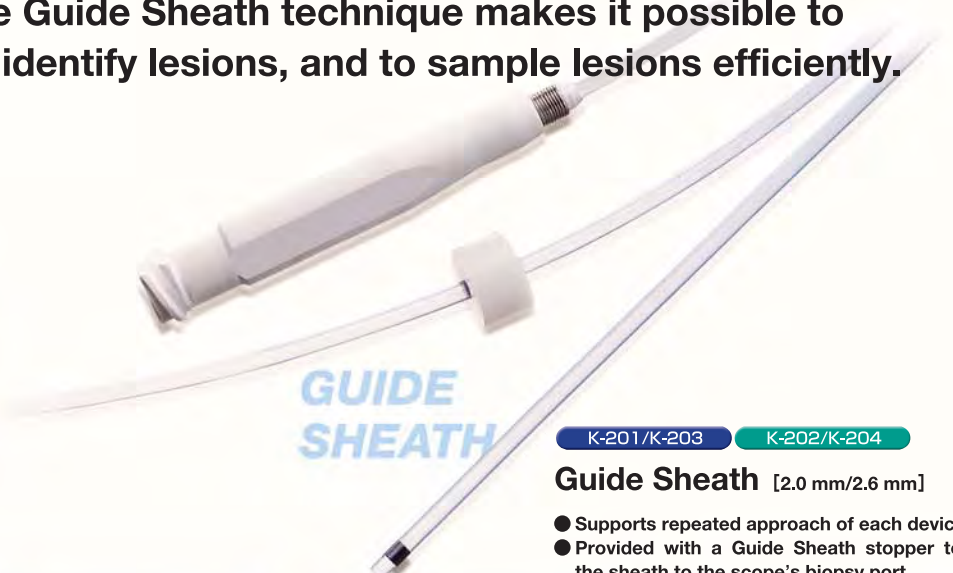


**GUIDE SHEATH**

K-201/K-203 K-202/K-204

**Guide Sheath [2.0 mm/2.6 mm]**

- Supports repeated approach of each device.
- Provided with a Guide Sheath stopper to fix the sheath to the scope's biopsy port.



**6 Locate the position of the lesion using the ultrasonic probe**

**Option**


**Ultrasonic Probe [UM-S20-17S/UM-S20-20R/UM-S30-20R]**

- A lesion can be accurately identified with ultrasound.




Move the ultrasonic probe with the Guide Sheath back and forth to identify the lesion by checking the ultrasound image.

**7 Fix the Guide Sheath**



Fix the position of the Guide Sheath at the scope's biopsy port by setting its stopper.

**8 Withdraw the ultrasonic probe**



While leaving the Guide Sheath at the lesion, withdraw only the ultrasonic probe.

**9 Insert the biopsy forceps**

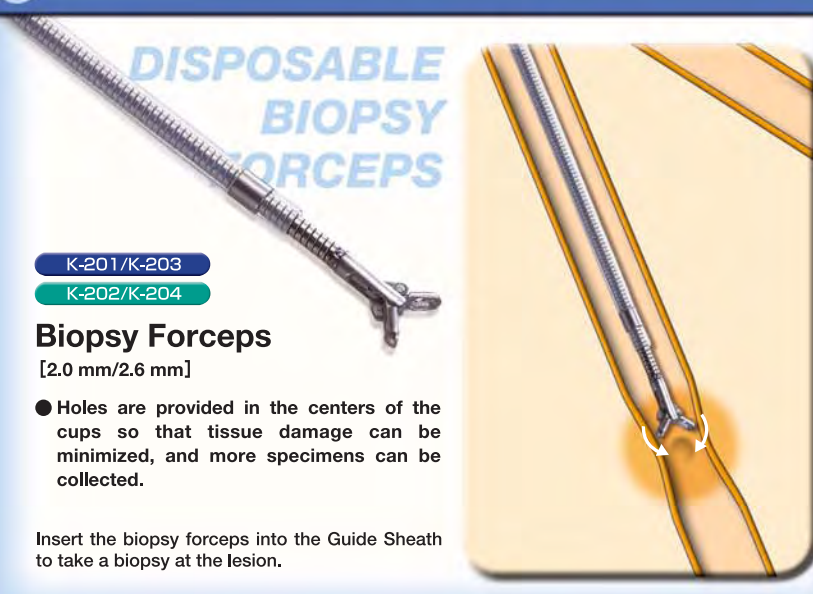
**DISPOSABLE BIOPSY FORCEPS**

K-201/K-203 K-202/K-204

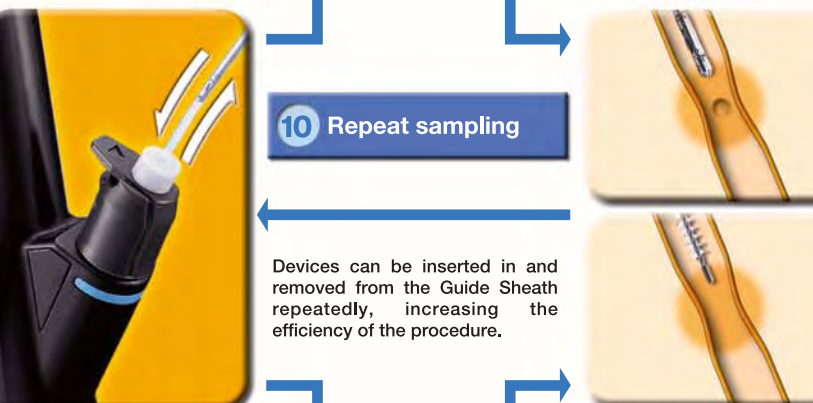
**Biopsy Forceps [2.0 mm/2.6 mm]**

- Holes are provided in the centers of the cups so that tissue damage can be minimized, and more specimens can be collected.

Insert the biopsy forceps into the Guide Sheath to take a biopsy at the lesion.



**10 Repeat sampling**



Devices can be inserted in and removed from the Guide Sheath repeatedly, increasing the efficiency of the procedure.

**9 Insert the cytology brush**

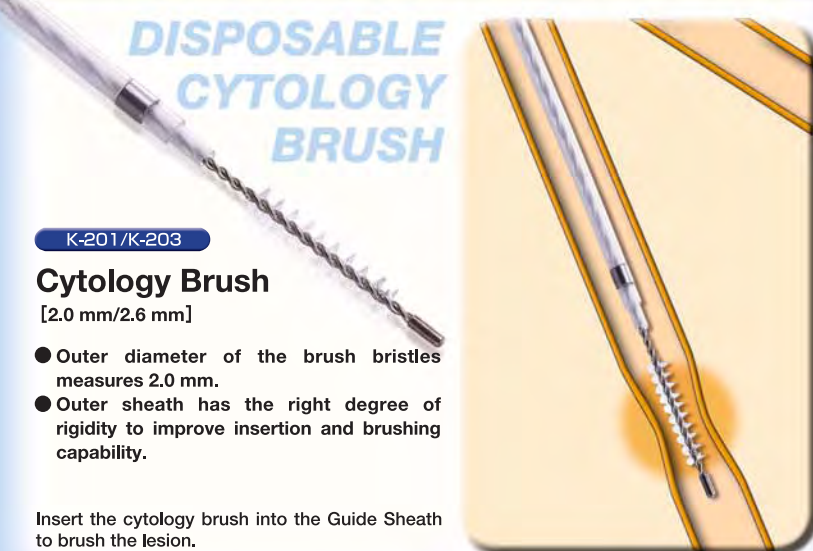
**DISPOSABLE CYTOLOGY BRUSH**

K-201/K-203

**Cytology Brush [2.0 mm/2.6 mm]**

- Outer diameter of the brush bristles measures 2.0 mm.
- Outer sheath has the right degree of rigidity to improve insertion and brushing capability.

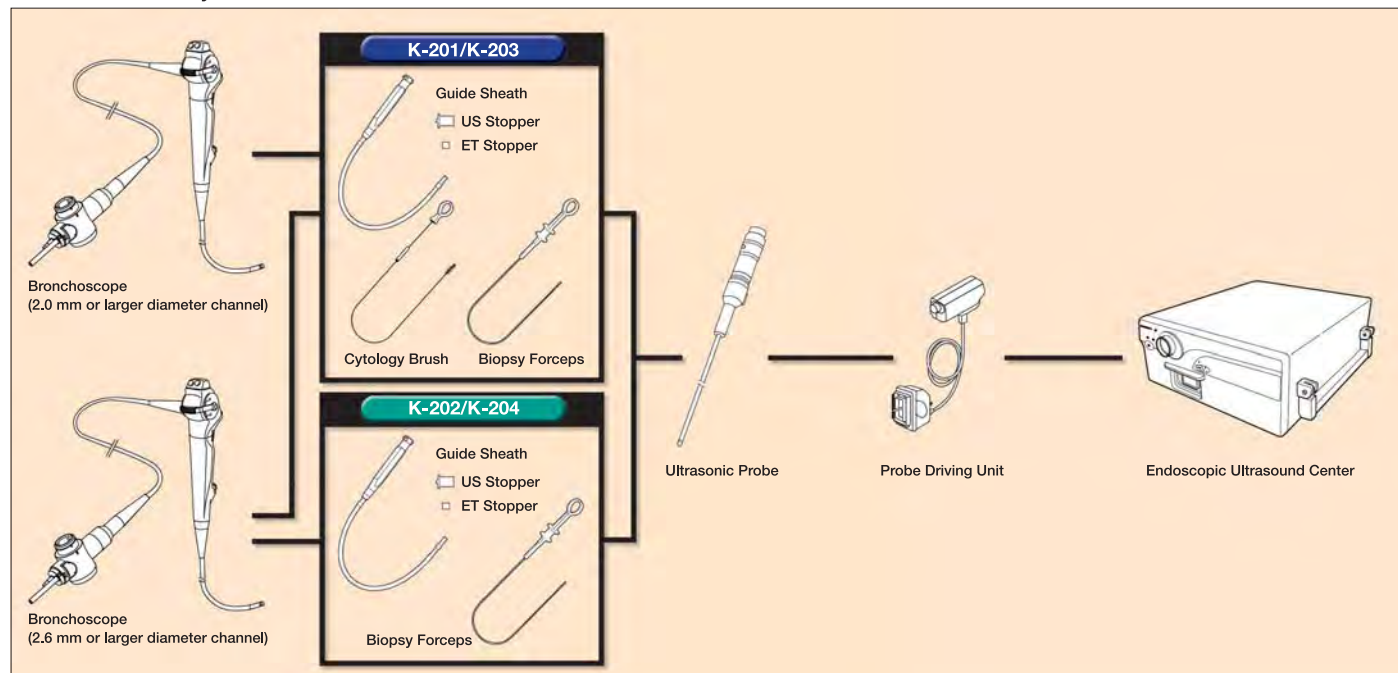
Insert the cytology brush into the Guide Sheath to brush the lesion.



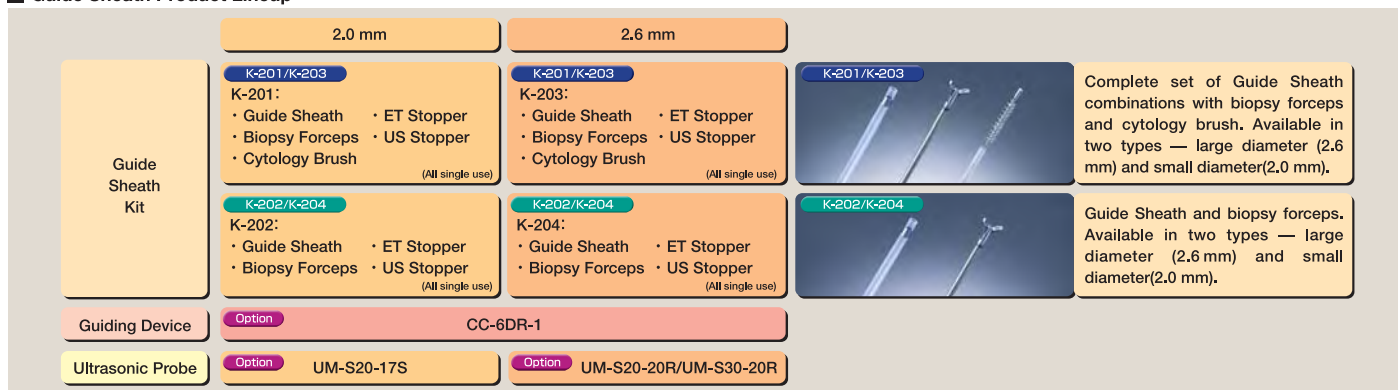


# Single Use Guide Sheath Kit

## Guide Sheath Kit System Chart



## Guide Sheath Product Lineup



## Single Use Guide Sheath Kit

Model Name	K-201	K-202	K-203	K-204
Compatible Channel Diameter	2.0 mm		2.6 mm	
Set Content	Guide Sheath	SG-200C	SG-200C	SG-201C
	Maximum outer diameter	1.95 mm		2.55 mm
	Working length	1050 mm		
	Biopsy Forceps	FB-233D	FB-233D	FB-231D
	Maximum outer diameter	1.5 mm		1.9 mm
	Working length	1150 mm		
	Cup configuration	Standard, fenestrated		
	Cytology Brush	BC-204D-2010	-	BC-202D-2010
	Maximum outer diameter	1.4 mm		1.8 mm
	Working length	1150 mm		
ET Stopper	Brush diameter	2.0 mm		
	Brush length	10 mm		
	ET Stopper	3 pcs (white)		3 pcs (2 pcs: gray / 1 pc: white)
US Stopper		1 pc (white)		1 pc (gray)

## Guiding Device

Model name	CC-6DR-1
Minimum channel diameter	2.0 mm
Compatible Guide Sheath	K-201/202/203/204
Working length	1150 mm
Feature	Double-joint type, rotatable
Usage Classification	Reusable

## Ultrasonic Probe

	UM-S20-17S	UM-S20-20R/UM-S30-20R
Scanning mode	B-mode	
Scanning method	Mechanical radial scanning	
Ultrasonic frequency	20 MHz/30 MHz (UM-S30-20R only)	
Working length	2150 mm	2050 mm
Total length	2225 mm	2140 mm
Insertion portion outer diameter	1.4 mm (distal end: 1085 mm) 1.7 mm (on connector side)	1.7 mm (distal end: 850 mm) 2.0 mm (on connector side)
Compatible Guide Sheath	K-201, K-202 (compatible channel diameter: 2.0 mm)	K-203, K-204 (compatible channel diameter: 2.6 mm)

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

**OLYMPUS**

OLYMPUS MEDICAL SYSTEMS CORP.  
Shinjuku Monolith, 2-3-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo 163-0914, Japan

For a complete listing of sales and distribution locations visit:  
[www.olympus.com](http://www.olympus.com)