

BIOPSY FORCEPS

Permitting accurate slippage-free collection of (biopsy) specimens.

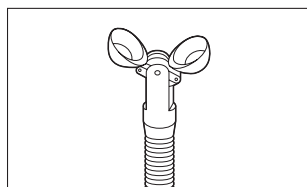


BIOPSY FORCEPS

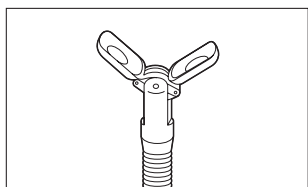
Greater reliability when performing biopsy of the bronchial wall.

Development of the FB-34C fenestrated biopsy forceps with needle for use with 2.0 mm instrument channel further perfects the lineup of biopsy forceps for use with OLYMPUS bronchofiberscopes.

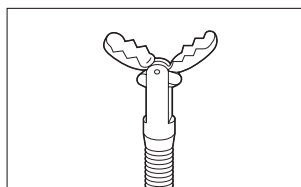
For reasons of safety, fenestrated biopsy forceps with needle, which limit damage to the tissue and which have a needle to prevent slippage, were previously only available for use in fiberscopes with a 2.6 mm instrument channel. By developing new precision technology, OLYMPUS has resolved a number of difficult problems. As a result, a fenestrated biopsy forceps with needle that can be used with a 2.0 mm instrument channel has been developed. Fenestration minimizes damage to the tissue. In addition, the needle attachment facilitates specimen collection during biopsy of narrow vessels like the bronchus where the forceps cannot be placed squarely against the vessel wall. As a result, more accurate diagnosis of affected areas within the bronchus is possible.



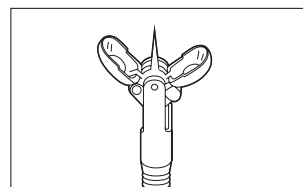
• FB-19C-1, FB-20C-1, FB-35C-1
Standard type(fenestrated)



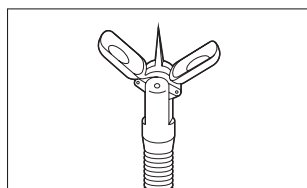
• FB-21C-1
Ellipsoid (fenestrated)



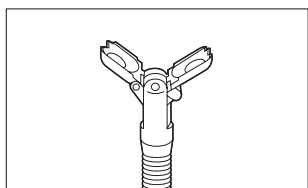
• FB-15C-1, FB-36C-1
Alligator jaws



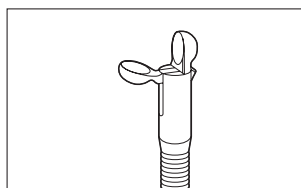
• FB-34C-1
With needle (fenestrated)



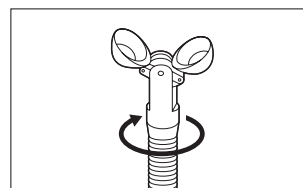
• FB-22C-1, FB-24K-1
Ellipsoid with needle (fenestrated)



• FB-37K-1
V-shaped



• FB-11K-1
Alligator type



• FB-19CR-1, FB-22CR-1
Rotatable type

Specifications

Type	Model	Minimum Channel Size	Description
Standard type (fenestrated)	FB-19C-1 FB-20C-1 FB-35C-1	2.0 mm 2.6 mm 3.2 mm	•Fenestration permits larger sampling with minimal tissue damage.
With needle (fenestrated)	FB-34C-1	2.0 mm	•Needle prevents slippage. However, needle causes slight damage to tissue. Suitable for biopsy of hollow organs and polyps.
Ellipsoid (fenestrated)	FB-21C-1	2.0 mm	•Larger sampling with limited damage to tissue.
Ellipsoid with needle (fenestrated)	FB-22C-1 FB-24K-1	2.6 mm 3.2 mm	•Needle prevents slippage. However, needle causes slight damage to tissue. Large sampling. Requires large channel instrument.
Alligator jaws	FB-15C-1 FB-36C-1	2.0 mm 3.2 mm	•Serrated jaws prevent slippage. Collection of hard, incrustated tissue. Some damage to tissue. Alternative choice to needle type.
V- snapped	FB-37K-1	3.2 mm	•Forceps cups shaped like a V for better tissue bite and more accurate diagnosis.
Alligator type	FB-11K-1	3.2 mm	•Only one of the round cups opens 90° to allow biopsy near a stricture or a wall when there is limited space for both cups to open to manipulate the scope.
Rotatable type	FB-19CR-1 FB-22CR-1	2.0 mm 2.6 mm	•Easily rotation to the designed direction for optimum targeting.

	Standard type (fenestrated)	Ellipsoid (fenestrated)	Ellipsoid with needle (fenestrated)	Alligator jaws	With needle (fenestrated)	V- snapped	Alligator type	Rotatable type
BF TYPE 10/20/30/200	FB-19C-1	FB-21C-1	—	FB-15C-1	FB-34C-1	—	—	FB-19CR-1
BF TYPE P10/P20/P30/P200	FB-19C-1	FB-21C-1	—	FB-15C-1	FB-34C-1	—	—	FB-19CR-1
BF TYPE 1110/1120/1130/11200	FB-20C-1	—	FB-22C-1	FB-15C-1	FB-34C-1	—	—	FB-22CR-1
BF TYPE XT20/XT30	FB-35C-1	—	FB-24K-1	FB-36C-1	—	FB-37K-1	FB-11K-1	—
BF TYPE 2T10	FB-19C-1	FB-21C-1	—	FB-15C-1	FB-34C-1	—	—	—

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



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