Specifications at a Glance

**BF-UC180F**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Optical System</strong></td>
<td>Field of view 80°</td>
</tr>
<tr>
<td><strong>Insertion Tube</strong></td>
<td>Diameter 6.9 mm</td>
</tr>
<tr>
<td><strong>Instrument Channel</strong></td>
<td>Diameter 6.3 mm</td>
</tr>
<tr>
<td><strong>Bending Section</strong></td>
<td>Angulation range 120°, 90°</td>
</tr>
<tr>
<td><strong>Total Length</strong></td>
<td>800 mm</td>
</tr>
</tbody>
</table>

**Currently Available Systems**

The subset of features listed here refers to the usage of the processors in conjunction with the BF-UC180F endoscope.

### Ultrasound Cable

- **Display Mode**: B mode, M mode, D mode, FLOW mode, POWERFLOW mode, PW mode, THE mode, B mode, FLOW mode, COLOR FLOW mode, H-FLOW mode, PW mode, THE mode, Elastography (ELST) mode
- **Scanning Method**: Electronic curved linear array
- **Frequency**: 5/7.5/10/12 MHz
- **Tissue Harmonic Echo (THE)**: 5 MHz, 6.7 MHz, 7.5 MHz
- **ELST Mode**: Strain graph, Pressurization bar
- **Scanning Range**: 60°
- **Focusing Point**: Up to four focusing points are available

### EBUS-TBNA Needles

<table>
<thead>
<tr>
<th>Article Name</th>
<th>Min. Working Channel</th>
<th>Needle Length</th>
<th>Article Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA-201SX-4021</td>
<td>2.0 mm</td>
<td>20–40 mm</td>
<td>N4323630</td>
</tr>
<tr>
<td>NA-201SX-4022</td>
<td>2.0 mm</td>
<td>20–40 mm</td>
<td>N4323330</td>
</tr>
<tr>
<td>NA-2401SX-4021</td>
<td>2.0 mm</td>
<td>20–40 mm</td>
<td>N4327330</td>
</tr>
<tr>
<td>NA-2401SX-4022</td>
<td>2.0 mm</td>
<td>20–40 mm</td>
<td>N4327330</td>
</tr>
<tr>
<td>NA-2402SX-4019</td>
<td>2.2 mm</td>
<td>20–40 mm</td>
<td>N4384400</td>
</tr>
</tbody>
</table>

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ENDOBRONCHIAL ULTRASOUND –
TRANSBRONCHIAL NEEDLE ASPIRATION

EBUS-TBNA is a reliable and commonly established technique that enables visualization and sampling of mediastinal, central, and hilar lesions, and lymph nodes. With the ultrasonic bronchoscope BF-UC180F inserted into the trachea or the esophagus, the accessible lymph node stations can be explored and the lesions outlined while offering you the freedom to select from different EBUS needle lineups and sizes depending on your needs.

Linear Ultrasound Bronchoscope BF-UC180F
The BF-UC180F linear ultrasonic bronchofibervideoscope is specially designed for lymph node staging, including interlobar nodes, hilar nodes, and the mediastinum. The large 2.2 mm working channel provides compatibility with dedicated Olympus sampling devices and ensures less friction of devices inside the scope as well as improved suction capability. Moreover, it features an increased 60° scanning area, allowing sampling under full visual control. The impressive diagnostic value of the BF-UC180F is complemented by its compatibility with Aloka and Olympus ultrasound processors.

Universal Endoscopic Ultrasound Center EU-ME2
The EU-ME2 brings real clarity to your EBUS procedures, supporting better detection and characterization of lesions. A variety of new features such as harmonic echo and elastography help to explore the future of endosonography. In addition, the EU-ME2 provides compatibility with linear and radial ultrasound endoscopes and radial ultrasound miniature probes.

EBUS-TBNA for Reliable Staging and High Yield
EBUS-TBNA has proven not only to be of great value for lymph-node staging (N-staging) but also for the strategic use of cytology and histology samples for molecular analysis. The acquired specimen can be used to obtain a reliable diagnosis as well as for cell-block preparation, immunochemistry, and molecular studies.

EBUS-TBNA Needles
Olympus is unique in offering a 19G EBUS-TBNA needle in addition to the 21G and 22G needles. But now it also provides the second generation of EBUS needles – the ViziShot 2. While the entire portfolio offers the already established safety mechanisms and excellent ultrasound visibility, Olympus now provides a needle for every situation – expanding your possibilities in EBUS-TBNA.

ViziShot FLEX
- Largest EBUS needle with a 19G diameter.
- Supports histological sampling for suspected sarcoidosis and lymphoma but also helps to provide more tissue for advanced molecular analyses.
- An ally for special indications but also whenever superior flexibility is needed.

ViziShot 2
- The new, improved 21G and 22G needles.
- Smooth needle penetration thanks to sharper needle tip.
- Better needle control with the new ergonomic handle design and stable metal-coil sheath.
- Increased sheath visibility during endoscopic observations.

ViziShot
- The reliable and long-established EBUS-TBNA needle.