

OLYMPUS

Your Vision, Our Future

ULTRASOUND GASTROVIDEOSCOPE

TGF-UC180J

Forward-Viewing Ultrasound Gastrovideoscope Creates Pioneering
New Opportunities in EUS-guided Treatment.



NEW, FORWARD-VIEWING ULTRASOUND GASTROVIDEOSCOPE RAISES THE STANDARD OF EUS-GUIDED TREATMENT.



OLYMPUS takes pride in its track record of providing highly effective solutions in ultrasound-gastrovideoscope design. Convex-array-type instruments are increasingly considered the instrument of choice, and as the industry leader, OLYMPUS has focused all its expertise and accumulated know-how into the revolutionary new design of this forward-viewing ultrasound gastrovideoscope, expanding the treatment options for users with a focus on interventional EUS procedures. The remarkable potential of this cutting-edge OLYMPUS product will bring new benefits to your EUS practice and patient care.

Endoscopic Image



B-mode



B-mode (EUS-FNA)



COLOR FLOW mode

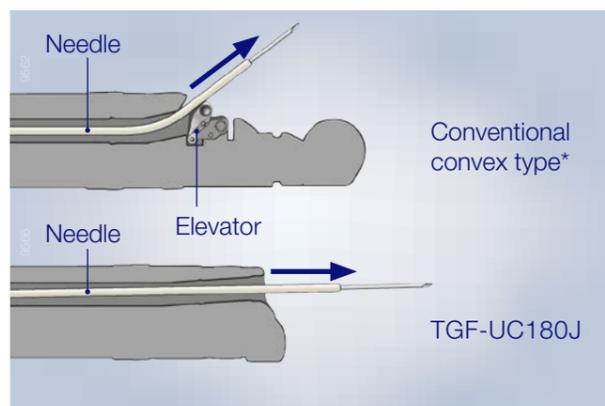


TGF-UC180J Uniquely Advantageous



Wide Angulation

Angulation of 180° (up) is ideal for comprehensive observation.



Straight Channel Port

Reduced resistance provides greater puncture force and increased control over endotherapy devices.

OLYMPUS Endoscopic Ultrasound Center EU-ME2



Providing compatibility with linear and radial ultrasound endoscopes and radial ultrasound miniature probes.

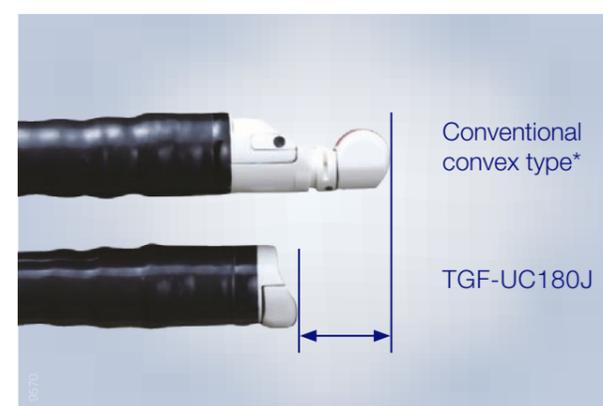
Olympus's EU-ME2 is a high-quality, compact ultrasound processor designed to fit in an endoscopic trolley and is designed for use with the Olympus endoscopic and endobronchial ultrasound equipment. Apart from its superb image quality, the EU-ME2 Premier Plus incorporates the latest technologies, such as Tissue Harmonic Echo, Contrast Harmonic EUS⁽¹⁾, and Elastography.

⁽¹⁾ Regulations and usage of ultrasound contrast agents vary according to the country where they are used and the type of agents. Please use the ultrasound contrast medium according to the instructions that are provided with the products.

Hitachi Aloka Medical Ultrasound System ProSound F75

Providing compatibility with linear and radial ultrasound endoscopes and extracorporeal probes.

As a high-end ultrasound system, the ProSound F75 supports various scan methods and gives you a wide variety of imaging capabilities to meet your high-quality imaging needs. The system provides both the compatibility with Olympus linear or radial ultrasound endoscopes and also extracorporeal probes. The latest technologies, such as Broadband Harmonics (BbH), Contrast Enhancement (CE)⁽¹⁾, and Elastography, are supported.



Shorter Distal End

A shorter, rigid portion enhances the maneuverability of the scope's distal tip in the digestive tract.

* OLYMPUS GF-UCT180



Auxiliary Water Channel

This flushes away blood and residue inside organs for a clear view at all times and eliminates the need for a balloon.

TGF-UC180J

Single-Use Aspiration Needle

NA-220H-8019, 8022, 8025 / NA-230H-8022

EZShot 2

19 G, 22 G, 25 G, 22 G with side port



Selection of Needles for Various Styles and Requirements

The variably sized, versatile EZ Shot 2 is compatible with OLYMPUS ultrasound endoscopes designed for EUS-guided FNA. It is available in 19 G, 22 G, 25 G and 22 G with a side port to allow aspiration from the needle's distal tip and side. The all-in-one EZ Shot 2 has everything needed for effective FNA including a unique dimpled design that is clearly visible in ultrasound images.

The EZ Shot (NA-200H-8022) is not compatible with the TGF-UC180J.

Ultrasound Cable

MAJ-2056



The cable's detachable design makes the ultrasound endoscope easy to handle, reprocess, and store.

Endoscope Functions

Optical system	Field of view	120°
	Direction of view	Forward viewing
	Depth of field	3 to 100 mm
Insertion tube	Distal end, outer diameter	14.6 mm
	Distal end enlarged	1. Objective lens 2. Air/water nozzle 3. Ultrasound transducer 4. Instrument channel outlet 5. Auxiliary water channel outlet 6. Light-guide lens
	Insertion tube, outer diameter	12.6 mm
	Working length	1,245 mm
	Instrument channel	Channel, inner diameter
Minimum visible distance		5 mm from the objective lens
Direction from which endotherapy accessories enter and exit the endoscopic image		
Bending section		Angulation range
Total length	1,560 mm	



Ultrasound Functions

Model	With EU-ME 2 Premier Plus	With ProSound F75
Operation mode	B-mode, THE mode, H-FLOW mode, COLOR FLOW mode, POWER FLOW mode, PW mode, CH-EUS mode, and ELST mode (Elastography)	B-mode, M-mode, D-mode, Flow mode, Powerflow mode, and CH-EUS
Scanning method	Electronic, curved linear array	
Scanning direction	Parallel to the insertion direction	
Frequency	5, 6, 7.5, 10, 12 MHz*1	5, 6, 7.5, 10 MHz*1
Scanning range	90°	
Contacting method	Sterile-deaerated-water-immersion method, direct-contact method*2	

*1 This is the user-selectable frequency in the B-mode.

*2 You cannot perform the balloon method because this product does not have the balloon function.

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

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