Single Balloon Enteroscope System
Ease of Use
Setting up the Single Balloon Enteroscope System is a snap so getting ready for an examination is never a bother. All you have to do is moisten the lining of the splinting tube with sterile water, connect it to the balloon control unit and pass the scope through.

Clinical Efficiency
Since the Single Balloon Enteroscope System has only a single balloon, complex operation is reduced. Just press a single button on the compact remote control as required to manipulate the inflation and deflation of the balloon.

Hypoallergenic, latex-free design
To achieve a patient-friendly, latex-free design, all components that comprise the splinting tube of the Single Balloon Enteroscope System — from the tube shaft to the balloon and tube tip — are made of silicone. In addition, a hydrophilic lubricant coating has been applied to the lining of the splinting tube. This provides excellent lubrication between the scope and splinting tube, effectively supporting insertion into the deep small intestine.

Advanced Imaging and Connectivity
Supports Narrow Band Imaging (NBI) observation, which enables more detailed observation of mucosal morphology, and compatible with a wide range of systems, from the EVIS 240 to the EVIS LUCERA to the EVIS LUCERA SPECTRUM.

The “Next” Evolution in Enteroscopy:
The Single Balloon Enteroscope System from Olympus.

Despite the rapid technological advances of the 21st century, enteroscopy continues to prove more difficult than upper gastrointestinal endoscopy or colonoscopy. Now, thanks to our groundbreaking Single Balloon Enteroscope System, Olympus has created a simple yet efficient system that radically redefines the nature of enteroscopy. The new Single Balloon Enteroscope maintains Olympus’ signature high quality image, while offering breakthrough capabilities in terms of operability and functionality that shed a new light on a region once considered the “Last Frontier” of the human body.

- Simple operation at every step of the way from setup to observation and treatment
- Efficient hand or foot controls and automatic pressure control, eliminate complex operations and reduce procedure time
- Effective high quality image and improved treatment performance achieved through the use of Olympus’ latest technology
High-performance EVIS LUCERA Small Intestinal Videoscope
High-resolution image, remarkable maneuverability

![SIF-Q260](image)

Optimized distal end and bending section for smooth insertion
By optimizing both the distal end length and bending section radius, the SIF-Q260 extensive angulation capability allows acute turns in the small intestine, supporting a smoother insertion.

Automatic pressure control function for maximum reliability
The OBCU is equipped with an automatic pressure control function. This safety function operates to suppress the balloon pressure and maintain it within a prescribed range.

100% Latex-free Silicone construction
The ST-SB1's smooth-glide, hydrophilic-coated Silicone Splinting Tube allows for outstanding insertion and therapeutic access to the deep small intestine and eliminates the risks associated with latex allergies.

Radiopaque materials enable effective position confirmation under fluoroscopy
Radiopaque material is used in the distal end of the ST-SB1 to allow confirmation of the splinting tube's tip under fluoroscopy, further enhancing insertion performance into the deep small intestine.

Wide 2.8 mm diameter channel in a 9.2 mm scope
To improve maneuverability of insertion, the SIF-Q260 features a distal end diameter of just 5.2 mm while maintaining high-resolution image quality. In addition, an instrument channel diameter of 2.8 mm has been reserved to meet a wide range of treatment options.

Simple Setup, Clinical Efficiency, and Effective Operability

![Simple Control Unit](image)

Simple Control Unit for easy setup and operability
All you have to do to set up the OBCU is connect the splinting tube. Operation is equally simple. Just press the button on the compact remote control repeatedly to inflate or deflate the balloon.

Simple cleaning disinfection and sterilization
The Single Balloon Enteroscope System incorporates a balloon on the splinting tube only. This means there is no need for an extra step in the cleaning process for a dedicated balloon/air channel in the scope. The SIF-Q260 can be cleaned the same way as conventional scopes.

Several options to control
Besides the front panel controls, you can operate either the compact ergonomic remote control or the foot switch.

*Please note that it cannot be used in combination with the remote control.
*The foot switch is available as an option.

Outstanding imaging performance delivered by a high-resolution CCD
A high-resolution CCD chip incorporated in the distal end of the SIF-Q260 provides high quality images of finer details. Moreover, combining this scope with the EVIS LUCERA SPECTRUM system puts the power of Narrow Band Imaging (NBI) observation at your fingertips, making it possible to explore in the small intestine.

White light NBI
Wide 2.8 mm diameter channel in a 9.2 mm scope

SIF-Q240

ST-SB1

1. Install the reservoir tank and connect the tube to the reservoir tank connector.
2. Connect one end of the air flow tube to the side connector on the reservoir tank.
3. Connect the other end of the air flow tube to the balloon air flow connector of the splinting tube.
Groundbreaking mechanism to plicate the intestinal tract

**Principles of insertion**

The single balloon scope can be inserted into the deep small intestine by manipulating the balloon on the distal end of the splinting tube and the angulation mechanism of the scope. First, insert the scope deeply into the gastrointestinal tract. Second, advance the splinting tube and inflate the balloon. Next, withdraw both the scope and splinting tube to plicate the intestinal tract. By repeating these steps, you can pleat and reduce the small intestine for deep small bowel intubation.

1. Insert the scope as deep as possible into the gastrointestinal tract.
2. Advance the splinting tube.
3. Inflate the balloon.
4. Withdraw both the splinting tube and scope in tandem to reduce the intestinal tract.

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**Clinical Case Images**

**Antegrade approach**

**Jejunum**

**Retrograde approach**

**Ileum**

**NBI observation**

**A list of SIF-Q260 compatible systems**

- CV-240
- CV-260A
- CV-260B
- CV-260SL

The SIF-Q260’s wide connectivity means that it is compatible with the EVIS 240 to the EVIS LUCERA systems you already use. When it is combined with the EVIS LUCERA SPECTRUM system, NBI observation is possible, facilitating more advanced observation of mucosal morphology.
**Optical Systems**

<table>
<thead>
<tr>
<th>Field of view</th>
<th>140°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of Field</td>
<td>5 to 100 mm</td>
</tr>
<tr>
<td>Entrance of Field</td>
<td>180 mm</td>
</tr>
<tr>
<td>Length</td>
<td>2345 mm</td>
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</tbody>
</table>

**Insertion Tube**

<table>
<thead>
<tr>
<th>Outer diameter</th>
<th>9.2 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Tube</td>
<td>2250 mm</td>
</tr>
</tbody>
</table>

**Instrument Channel**

<table>
<thead>
<tr>
<th>Inner diameter</th>
<th>2.8 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endotherapy accessory entrance/exit position in field of view</td>
<td>3 mm from the distal end</td>
</tr>
</tbody>
</table>

**EVIS LUCERA SMALL INTESTINAL VIDEOSCOPE**

**Olympus SIF TYPE Q260**

- Power: 100-240 V AC 50/60 Hz
- Consumption Electric Power: 150 VA
- Set Pressure of Balloon: 5.4 kPa ± 2.6 kPa
- Size (W×H×D): 374 × 151 × 486 mm
- Weight: 11 kg (Balloon Control Unit), 0.4 kg (OBCU Remote Controller)

**Ballon Control Unit (OBCU)**

- Type: 100-240 V AC 50/60 Hz
- Consumption Electric Power: 105 VA
- Set Pressure of Balloon: 5.4 kPa ± 2.6 kPa
- Size (W×H×D): 374 × 151 × 486 mm
- Weight: 11 kg (Balloon Control Unit), 0.4 kg (OBCU Remote Controller)

**SINGLE USE SPLINTING TUBE ST-SB1**

- Insertion Tube | Outer diameter: 13.2 mm, Inner diameter: 11 mm, Working Length: 1320 mm, Total Length: 1400 mm
- Material of the Tube: Silicone rubber, Hydrophilic Lubrication Coating: yes

**FOOT SWITCH MAJ-1805**

- Power Cord Length: 4 m
- Size: 220 × 74 × 130 mm
- Weight: 1.6 kg

*Please note that it cannot be used in combination with the remote control.
*The foot switch is available as an option.*