Single-Use Triple-Lumen Needle Knife

NeedleCut³
Introducing V-System-compatible needle knives for more efficient, trouble-free incision of the papilla prior to ERCP

Now featuring two needle knives with a host of useful features including CleverCut coating* to the V-System lineup

Specifically designed for incision of the papilla
The needle at the tip of the NeedleCut3V is specifically designed for incision of the papilla of Vater prior to ERCP. When you can’t perform cannulation effectively with a cannula alone or even with a sphincterotome, leave it to the NeedleCut3V. The needle’s length and diameter are optimized for fast, and effective papillotomy.

CleverCut coating prevents unintended deep incision (KD-V451M only)
When the papilla moves abruptly during cutting, the knife can slip and make a deep incision that perforates the tissue. To prevent this, the tip of the KD-V451M’s needle is coated with Olympus’s exclusive CleverCut coating — a kind of insulation that minimizes damage to the surrounding tissue. Even when the papilla moves suddenly, the CleverCut coating works as a “stopper” and prevents the needle knife from advancing and penetrating deeply into the tissue.

Offering unprecedented control, versatility, high performance, and a timesaving design that enables you to replace or switch devices in just seconds, the innovative V-System allows endoscopists to carry out a variety of ERCP procedures without assistance

C-Hook
Attached to the scope control section, the convenient C-Hook makes it easy for you to maneuver the guidewire, inject contrast media, and manipulate the device handle — all while keeping a grip on the scope control section.

V-Marking
Located on the proximal side of the sheath, the exclusive V-Marking lets you know when you can lower the V-Groove forceps elevator by showing you when the device tip has reached the distal end of the scope. Similarly, during withdrawal, it shows you when to raise the elevator to lock the guidewire.

V-Sheath
The forked design of the V-Sheath allows separation of the guidewire sheath and injection sheath/handle so that the device can be controlled by either the endoscopist or the assistant.

Invasion caused by abrupt movement of the patient
The needle at the tip of the NeedleCut3V is specifically designed for incision of the papilla of Vater prior to ERCP. When you can’t perform cannulation effectively with a cannula alone or even with a sphincterotome, leave it to the NeedleCut3V. The needle’s length and diameter are optimized for fast, and effective papillotomy.

CleverCut coating prevents unintended deep incision (KD-V451M only)
When the papilla moves abruptly during cutting, the knife can slip and make a deep incision that perforates the tissue. To prevent this, the tip of the KD-V451M’s needle is coated with Olympus’s exclusive CleverCut coating — a kind of insulation that minimizes damage to the surrounding tissue. Even when the papilla moves suddenly, the CleverCut coating works as a “stopper” and prevents the needle knife from advancing and penetrating deeply into the tissue.

Offering unprecedented control, versatility, high performance, and a timesaving design that enables you to replace or switch devices in just seconds, the innovative V-System allows endoscopists to carry out a variety of ERCP procedures without assistance

C-Hook
Attached to the scope control section, the convenient C-Hook makes it easy for you to maneuver the guidewire, inject contrast media, and manipulate the device handle — all while keeping a grip on the scope control section.

V-Marking
Located on the proximal side of the sheath, the exclusive V-Marking lets you know when you can lower the V-Groove forceps elevator by showing you when the device tip has reached the distal end of the scope. Similarly, during withdrawal, it shows you when to raise the elevator to lock the guidewire.

V-Sheath
The forked design of the V-Sheath allows separation of the guidewire sheath and injection sheath/handle so that the device can be controlled by either the endoscopist or the assistant.

Invasion caused by abrupt movement of the patient
The needle at the tip of the NeedleCut3V is specifically designed for incision of the papilla of Vater prior to ERCP. When you can’t perform cannulation effectively with a cannula alone or even with a sphincterotome, leave it to the NeedleCut3V. The needle’s length and diameter are optimized for fast, and effective papillotomy.

CleverCut coating prevents unintended deep incision (KD-V451M only)
When the papilla moves abruptly during cutting, the knife can slip and make a deep incision that perforates the tissue. To prevent this, the tip of the KD-V451M’s needle is coated with Olympus’s exclusive CleverCut coating — a kind of insulation that minimizes damage to the surrounding tissue. Even when the papilla moves suddenly, the CleverCut coating works as a “stopper” and prevents the needle knife from advancing and penetrating deeply into the tissue.

Offering unprecedented control, versatility, high performance, and a timesaving design that enables you to replace or switch devices in just seconds, the innovative V-System allows endoscopists to carry out a variety of ERCP procedures without assistance

C-Hook
Attached to the scope control section, the convenient C-Hook makes it easy for you to maneuver the guidewire, inject contrast media, and manipulate the device handle — all while keeping a grip on the scope control section.

V-Marking
Located on the proximal side of the sheath, the exclusive V-Marking lets you know when you can lower the V-Groove forceps elevator by showing you when the device tip has reached the distal end of the scope. Similarly, during withdrawal, it shows you when to raise the elevator to lock the guidewire.

V-Sheath
The forked design of the V-Sheath allows separation of the guidewire sheath and injection sheath/handle so that the device can be controlled by either the endoscopist or the assistant.

Invasion caused by abrupt movement of the patient
The needle at the tip of the NeedleCut3V is specifically designed for incision of the papilla of Vater prior to ERCP. When you can’t perform cannulation effectively with a cannula alone or even with a sphincterotome, leave it to the NeedleCut3V. The needle’s length and diameter are optimized for fast, and effective papillotomy.

CleverCut coating prevents unintended deep incision (KD-V451M only)
When the papilla moves abruptly during cutting, the knife can slip and make a deep incision that perforates the tissue. To prevent this, the tip of the KD-V451M’s needle is coated with Olympus’s exclusive CleverCut coating — a kind of insulation that minimizes damage to the surrounding tissue. Even when the papilla moves suddenly, the CleverCut coating works as a “stopper” and prevents the needle knife from advancing and penetrating deeply into the tissue.

Offering unprecedented control, versatility, high performance, and a timesaving design that enables you to replace or switch devices in just seconds, the innovative V-System allows endoscopists to carry out a variety of ERCP procedures without assistance

C-Hook
Attached to the scope control section, the convenient C-Hook makes it easy for you to maneuver the guidewire, inject contrast media, and manipulate the device handle — all while keeping a grip on the scope control section.

V-Marking
Located on the proximal side of the sheath, the exclusive V-Marking lets you know when you can lower the V-Groove forceps elevator by showing you when the device tip has reached the distal end of the scope. Similarly, during withdrawal, it shows you when to raise the elevator to lock the guidewire.

V-Sheath
The forked design of the V-Sheath allows separation of the guidewire sheath and injection sheath/handle so that the device can be controlled by either the endoscopist or the assistant.
**Features**

**Triple-lumen sheath for quick cannulation and contrast medium injection**

The triple-lumen design facilitates cannulation after incision of the papilla without requiring that the catheter be exchanged. Full separation of the injection lumen and guidewire lumen allows contrast media to be smoothly injected with a guidewire in place.

**Tapered tip design for smooth insertion**

The NeedleCut3V's tip is tapered to facilitate insertion into the papilla while keeping the incision as small as possible.

**Precurved tip for easier knife positioning**

Thanks to its precurved distal end, the NeedleCut3V provides stable cannulation capability.

**Radiopaque marking for excellent fluoroscopic visibility**

The tip of the sheath features a marking made of a highly radiopaque material that enables easy confirmation of the device tip position under fluoroscopy.

**Ergonomic handle for excellent control**

The NeedleCut3V's handle has an easy-to-grip design that makes it easy to manipulate.

---

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Working length</th>
<th>Minimum channel size</th>
<th>Maximum insertion portion diameter</th>
<th>Distal tip diameter</th>
<th>Needle diameter</th>
<th>Needle length</th>
<th>Coated length of the needle</th>
<th>Compatible guidewire</th>
</tr>
</thead>
<tbody>
<tr>
<td>KD-V441M</td>
<td>1700 mm</td>
<td>2.8 mm</td>
<td>2.5 mm</td>
<td>1.6 mm (5 Fr.)</td>
<td>0.2 mm</td>
<td>5 mm</td>
<td>-</td>
<td>0.035 inch (0.89 mm)</td>
</tr>
<tr>
<td>KD-V451M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 mm</td>
<td></td>
</tr>
</tbody>
</table>

---

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