Laparoscopy and Thoracoscopy in Small Animals
Laparoscopy and Thoracoscopy in Dogs and Cats

The 5 mm HOPKINS® telescope from KARL STORZ provides the small animal practitioner with bright, enlarged views of all abdominal and thoracic organs through a tiny incision.

Biopsy and/or aspiration of the following organs can be achieved: liver, kidney, pancreas, spleen, gall bladder, lymph nodes, lung and gastrointestinal tract.

Fig. 1
Adrenal gland

Fig. 2
Cirrhotic liver

Fig. 3
Cryptorchid testicle

Fig. 4
Feline gallbladder: hepatic lipidosis

Fig. 5
Laparoscopic-assisted gastropexy

Fig. 6
Pericardial resection

Fig. 7
Liver biopsy

Fig. 8
Pancreatic biopsy

Fig. 9
Thoracic mesothelioma

Fig. 10
Urinary bladder

Endoscopic photographs courtesy of Dr. David Twedt, Colorado State University.
Ancillary instrumentation, such as biopsy forceps, graspers and scissors may be placed through additional 5 mm portals. This allows not only documentation and biopsy of abnormalities, but also a number of therapeutic minimally invasive surgical interventions including the following:

- Cryptorchid castration
- Prophylactic gastropexy
- Ovariohysterectomy
- Cystotomy
- Jejunostomy/gastrostomy tube placement
- Adrenalectomy
- Pericardectomy
- Partial lung lobectomy
- Nephrectomy
- Insulinoma removal
- Partial pancreatectomy
- Resolution of gastric dilatation with volvulus
- Lap-assisted cystostomy
- Lap-assisted cystopexy

Laparoscopy and thoracoscopy will vastly improve your diagnostic and surgical accuracy, while reducing patient recovery time and improving client satisfaction.
HOPKINS® Laparoscopes/Thoracoscopes

Multiple Puncture Approach
Telescopes, diameter 5 mm
Trocars size 6 mm

62046 AA  HOPKINS® Straight Forward Telescope 0°,
enlarged view, diameter 5 mm, length 29 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

62046 BA  HOPKINS® Forward-Oblique Telescope 30°,
enlarged view, diameter 5 mm, length 29 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

TERNAMIAN EndoTIP Cannula with Multifunctional Valve

60160 TKR  TERNAMIAN ENDOTIP Cannula, with thread and rotating insufflation stopcock, size 6 mm, working length 8.5 cm, color code: black, including:
- Cannula
- Multifunctional Valve
- Seal Set 50/4
- Mandrel, for opening automatic valves

60103 TMR  TERNAMIAN ENDOTIP Cannula, with thread and rotating insufflation stopcock, size 11 mm, working length 10.5 cm, color code: green, including:
- Cannula
- Multifunctional Valve
- Seal Set 60/10
- Mandrel, for opening automatic valves

62141 DB  Reducer, 11/5 mm
Trocar with Multifunctional Valve

62160 WZ  
**Trocar**, with pyramidal tip, with insufflation stopcock, size 6 mm, working length 8.5 cm, color code: black-white  
including:  
*Cannula*, without valve,  
*Trocar only*  
*Multifunctional Valve*

62103 WZ  
**Trocar**, with pyramidal tip, with insufflation stopcock, size 11 mm, working length 8.5 cm, color code: green-white  
including:  
*Cannula*, without valve,  
*Trocar only*  
*Multifunctional Valve*

Lightweight Ribbed Trocar and Cannula

Ribbed cannula reduces slippage out of the body wall

62160 GSK  
**Trocar**, with sharp tip, with LUER-Lock connector for insufflation, size 6 mm, working length 6 cm, color code: black-green  
including:  
*Cannula*, with thread  
*Trocar only*  
*Silicone Leaflet Valve*

62160 GBK  
**Same**, with blunt tip
Diagnostic Instruments

62175 T  Palpation Probe, with cm-markings, size 5 mm, length 36 cm

66321 DB  CLICKLINE Dissecting and Biopsy Forceps, rotating, dismantling, with connector pin for unipolar coagulation, with Luer-Lock irrigation connector for cleaning, single action jaws, size 5 mm, length 36 cm including:
   Plastic Handle, without ratchet
   Metal Outer Sheath, insulated
   Forceps Insert

66323 ML  CLICKLINE KELLY Dissecting and Grasping Forceps, rotating, dismantling, with connector pin for unipolar coagulation, with Luer-Lock irrigation connector for cleaning, double action jaws, long, size 5 mm, length 36 cm including:
   Plastic Handle, with hemostat style ratchet
   Metal Outer Sheath, insulated
   Forceps Insert

Suture, Ligature

66321 EH  CLICKLINE Hook Scissors, rotating, dismantling, with connector pin for unipolar coagulation, with Luer-Lock irrigation connector for cleaning, single action jaws, size 5 mm, length 36 cm including:
   Plastic Handle, without ratchet
   Metal Outer Sheath, insulated
   Scissors Insert

26172 AE  Endo-Loop Ligature, with ROEDER knot, for bleeding stumps, with absorbable synthetic suture, for single use, sterile, USP 0, size 3 mm, length 33 cm, package of 12

26596 SK  KÖCKERLING Knot Tier, for extracorporeal knotting, size 5 mm, length 36 cm

For instruments in longer and shorter versions, see catalog Veterinary Endoscopy, Small Animals.
Surgical Instruments

66323 BA  
CLICKLINE BABCOCK Grasping Forceps, rotating, dismantling, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, atraumatic, with multiple teeth, fenestrated, size 5 mm, length 36 cm including:
- Plastic Handle, with hemostat style ratchet
- Metal Outer Sheath, insulated
- Forceps Insert

33321 FG  
CLICKLINE Grasping Forceps, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, serrated, curved, conical, size 5 mm, length 36 cm including:
- Plastic Handle, without ratchet
- Metal Outer Sheath, insulated
- Forceps Insert

66321 MW  
CLICKLINE Scissors, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, serrated, curved, conical, size 5 mm, length 36 cm including:
- Plastic Handle, without ratchet
- Metal Outer Sheath, insulated
- Scissors Insert

For instruments in longer and shorter versions, see catalog Veterinary Endoscopy, Small Animals.
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Suction and Irrigation Tubes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>37360 LH</td>
<td>Suction and Irrigation Tube, with lateral holes, size 5 mm, length 36 cm, for use with suction and irrigation handles</td>
</tr>
<tr>
<td>37370 SC</td>
<td>Coagulating and Dissecting Electrode, with suction channel, insulated sheath, with connector pin for unipolar coagulation, size 5 mm, length 36 cm</td>
</tr>
<tr>
<td>37370 DL</td>
<td>Same, L-shaped</td>
</tr>
<tr>
<td>26173 BN</td>
<td>Suction and Irrigation Tube, with lateral holes, with two-way stopcock for single-hand control, size 5 mm, length 36 cm</td>
</tr>
</tbody>
</table>

Optional Suction Tube Accessories

<table>
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<tbody>
<tr>
<td>30804</td>
<td>Handle with Trumpet Valve, for suction or irrigation, autoclavable, for use with 5 mm coagulating suction tubes, 3 and 5 mm suction and irrigation tubes</td>
</tr>
<tr>
<td>2030042</td>
<td>Silicone Tubing Set, for suction, sterilizable</td>
</tr>
</tbody>
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Insufflation

62432501  **CO₂ ENDO-ARTHROFLATOR-VET**, power supply 100-240 VAC, 50/60 Hz, including:
- Silicone Tubing Set, sterilizable
- Universal Wrench
- Gas Filter, sterile, package of 10

The pressure hose and CO₂ bottles must be ordered separately

62120  **VERESS Pneumoperitoneum Needle**, with spring-loaded blunt stylet, Luer-Lock, autoclavable, diameter 2.1 mm, length 10 cm

Electrosurgical Unit

20530801  **AUTOCON® II 80**, power supply 100-240 VAC, 50/60 Hz, including:
- Mains Cord

20017834  **Two-Pedal Footswitch**, digital, one-stage, for use with AUTOCON® II 80

26005 M  **Unipolar High Frequency Cord**, length 300 cm

26176 LE  **Bipolar High Frequency Cord**, length 300 cm
Suction and Irrigation Device

The VETPUMP® 2 suction and irrigation device makes abdominal and thoracic lavage easier than ever before.

More powerful, more precise and safer than other units, the VETPUMP® 2 is the ultimate device for flushing and suction during otoscopy, gastroscopy, laparoscopy and more.

69321601  VETPUMP® 2, adjustable suction-irrigation pump, power supply: 100/120/230/240 VAC, 50/60Hz including:
Mains Cord, EU-version
Mains Cord, US-version
Irrigation Bottle Holder
Suction Bottle Holder
Irrigation Bottle
Suction Bottle
Bottle Cap, for irrigation bottle
Bottle Cap, for suction bottle
VETPUMP® 2 Accessories for Abdominal / Thoracic Lavage

- **69 3200 33**: **Silicone Tubing Set**, irrigation-suction from unit to bottles, **autoclavable**

- **69811**: **Instrument Tubing Set, autoclavable**, to connect VETPUMP® 2 bottles to Handle 37112 A

- **37112 A**: **Handle**, straight, with clamping valve, for suction and irrigation, **autoclavable**, for use with 5 and 10 mm suction and irrigation tubes

- **69811 LAP**: **Adaptor**, package of 5, for use with Handle 37112 A for suction and irrigation as well as Instrument Tubing Set 69811

- **031121-10**: **Gas Filter**, for single use, with male Luer-lock connector for attachment to irrigation connector on unit, sterile, package of 10
**Remove black plastic fitting from Tubing Set 69811 and replace with Adaptor 69811 LAP.**