Endoscopy in Small Exotic Animals
Set for birds, reptiles, amphibians, small mammals and fish
Endoscopy – an Essential Tool for the Exotic Animal Veterinarian

**Structures Visualized:**
Heart  
Lungs  
Air sac  
Proventriculus  
Ventriculus  
Intestines  
Pancreas  
Spleen  
Adrenal glands  
Kidneys  
Ureter  
Reproductive tract  
Esophagus  
Crop  
Cloaca  
Trachea  
Syrinx  
Fat bodies  
Swim bladder  
Gills  
Teeth  
Larynx  
Liver

**Endoscopic Procedures:**
Coelioscopy  
Biopsy  
Gender identification  
Sampling of debris  
Foreign body retrieval  
Cloacoscopy  
Cystoscopy  
Rhinoscopy  
Otoscopy  
Vaginoscopy  
Intubation  
Thoracoscopy  
Arthroscopy  
Minimally invasive surgery  
Laser and electrosurgery  
Fine needle injection or aspiration  
Saline-infused gastrointestinal endoscopy  
Therapeutic curettage and lavage of lesions  
Salpingectomy, ovariectomy, orchidectomy  
Oral cavity examination and dental procedures
The small and delicate nature of many exotic animals makes them ideally suited for endoscopy. In fact, the benefits of magnification, illumination and minimal invasion have led to the widespread acceptance of endoscopy as a routine diagnostic technique in birds, reptiles, amphibians, small exotic mammals and fish.

Comments from veterinarians

“This makes me more confident as a practitioner.”

“I am finally getting answers that I would have otherwise missed.”

“We all know that a definitive diagnosis requires a biopsy!”

“I get more referrals and better income!”

“How can I afford NOT to have endoscopy?”

Fig. 1: Turtle, immature ovary
Fig. 2: Iguana, testes and vas deferens
Fig. 3: Iguana, esophagus with fluid infusion
Fig. 4: Ferret, cranial abdomen
Fig. 5: Plum-headed parakeet, testes
Fig. 6: White cockatoo, cloacal lymphoma
Fig. 7: Amazon parrot, cranio-thoracic air sac
Fig. 8: Guinea pig, molar malocclusion
Fig. 9: Amazon parrot, testes

Endoscopic images courtesy of Dr. Stephen Divers, University of Georgia (1, 2, 3); Dr. Michael Murray, Monterey Bay Aquarium (4, 5, 6); and Dr. Michael Taylor, University of Guelph (7, 8, 9).
NEW

INTEGRATED Multi-Purpose Telescope
With a working channel of 5 Fr. and an outer diameter of only 11.5 Fr., this telescope fits into tight spaces and is therefore an ideal solution for celioscopy, cystoscopy, rhinoscopy and cloacoscoppy in small exotic animals.

67031BA Universal Operating Telescope 30°,
HOPKINS® telescope, 11.5 Fr., working length 14.5 cm, autoclavable, fiber optic light transmission incorporated, working channel 5 Fr., including Sealing Cap 27550C, color code: red

Universal Endoscope, 2.7 mm
Newly designed optics generate a larger image, making details easier to see than ever before.

64029BA HOPKINS® Universal Endoscope 30°,
diameter 2.7 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated, color code: red
Examination and Protection Sheath
• Protects the telescope during examination

64018US Examination and Protection Sheath, diameter 3.5 mm, working length 17 cm, for Telescope 64029BA

Avian Operating Sheath
• Enables the use of flexible instruments size 5 Fr.

67065CVK Avian Operating Sheath, 14.5 Fr., working length 14 cm, with working channel 5 Fr. and two stopcocks including:
Avian Examination Sheath
Blunt Obturator

Trocar 3.9 mm, for use with Telescope 64029BA and Protection Sheath 64018US
• For laparoscopy, multipuncture approach

62117GK Trocar, with pyramidal tip, with LUR-Lock connector for insufflation, size 3.9 mm, working length 5 cm, color code: red including:
Cannula, with outer thread
Trocar
Silicone Leaflet Valve

See ENDOWORLD® VET 30, “Miniature Laparoscopy”, for details of laparoscopic instrumentation for use with small exotic animals
Instruments for use with INTEGRATED Multi-Purpose Telescope 67031BA and Avian Operating Sheath 67065CV in conjunction with Universal Endoscope 64029BA

67161Z **Biopsy Forceps**, flexible, oval, double action jaws, 5 Fr., length 34 cm
The most versatile biopsy forceps: For the collection of deep, longitudinal samples. Also useful for sampling exudate and debris.

67161T **Grasping Forceps**, flexible, oval, double action jaws, 5 Fr., length 34 cm
Large serrations make these forceps particularly useful for grasping medium to large objects and removing exudate and debris.

62501EK **Scissors**, flexible, single action jaws, 4 Fr., length 34 cm
The scissors are an essential part of the operating system. The air sac, and peritoneal and pleural membranes can be easily incised.

67071X **Flexible Needle**, with outer tube, total outer diameter 1.5 mm, tube length 31 cm, needle outer diameter 0.7 mm
Used for injection, aspiration and irrigation.

67159L **Polypectomy Snare**, unipolar, insulated, 5 Fr., length 32 cm, including:
- Handle
- Tube
- Snare
- Adaptor
Used for ovariectomy and orchidectomy in birds and reptiles.

67023VK **Stone Basket**, flexible, 5 Fr., length 60 cm, including:
- 3-Ring Handle
- Basket
- Coil
The ideal solution for the retrieval of smooth or rounded objects.

67772A **Needle Electrode**, unipolar, 5 Fr., length 53 cm.
The needle can be energized using a radiosurgical unit for incision and coagulation of structures.
BLAKESLEY Forceps
- For trimming teeth of rabbits and rodents

![BLAKESLEY Forceps](image)

- **BLAKESLEY Forceps**, straight, size 1 (3.5 mm), working length 11 cm

MINI Universal Operating Telescope
- Operating telescope for laparoscopy, cystoscopy, rhinoscopy and cloacoscopies in smaller exotic animals

![MINI Universal Operating Telescope](image)

- **MINI Universal Operating Telescope 30°**, 9.5 Fr., working channel 3 Fr., working length 14 cm, autoclavable, fiber optic light transmission incorporated, including Sealing Cap 27550A, color code: red
Instruments for use with MINI Universal Operating Telescope 67030BA

61071ZJ  **Biopsy Forceps**, double action jaws, flexible, 3 Fr., length 28 cm

61071TJ  **Grasping Forceps**, for removing foreign bodies, double-action jaws, flexible, 3 Fr., length 28 cm

These delicate grasping forceps are useful for biopsies or for grasping smaller objects.

**Miniature Telescope**
- For tracheoscopy, cystoscopy and rhinoscopy in smaller patients

62512  **Miniature Straight Forward Telescope 0°**, semirigid, diameter 1 mm, length 20 cm, fiber optic light transmission incorporated, color code: green
Cleaning, Sterilization and Storage Trays

For use with traditional Multi-Purpose Telescopes 64029BA or 64029AA

39301AS  Plastic Container, for sterilizing, suitable for steam, gas, and hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, external dimensions (w x d x h): 321 x 90 x 45 mm, for use with two rigid endoscopes up to max. 20 cm working length

For use with INTEGRATED Multi-Purpose Telescope 67031BA or MINI Universal Operating Telescope 67030BA

39311P  Plastic Container, for sterilization and storage with silicone holders and small box for spare parts, external dimensions (w x d x h): 516 x 117 x 90 mm, for use with uretero-renoscopes up to 34 cm working length

Cleaning Brushes

For use with traditional Multi-Purpose Telescopes 64029BA or 64029AA or INTEGRATED Multi-Purpose Telescope 67031BA

110810-20  Cleaning Brush, outer diameter 3 mm, length 55 cm

For use with MINI Universal Operating Telescope 67030BA

60651BK  Flexible Cleaning Brush, used for working channels up to 2.3 mm, length 25 cm
Insufflation

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

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

Check out our schedule of upcoming hands-on training courses at http://go.karlstorz.com/eventsVET
Make use of your endoscopy tower for open surgery too!

The VITOM® provides a bright, magnified view of any open surgery. Particularly useful for teaching, recording, or performing any difficult access surgical intervention.

20916025AA  VITOM® Telescope 0° with Integrated Illuminator,
VITOM® HOPKINS® straight forward telescope 0°, working distance 25-75 cm, length 11 cm, autoclavable, with fiber optic light transmission incorporated and condensor lenses, color code: green

28172HR  Rotation Socket, to clamp on the operating table
28272HC  Articulated Stand, L-shaped, long
28272UGN  Clamping Jaw, metal, big
More than 75 Years

Shaping the Future of Endoscopy with you