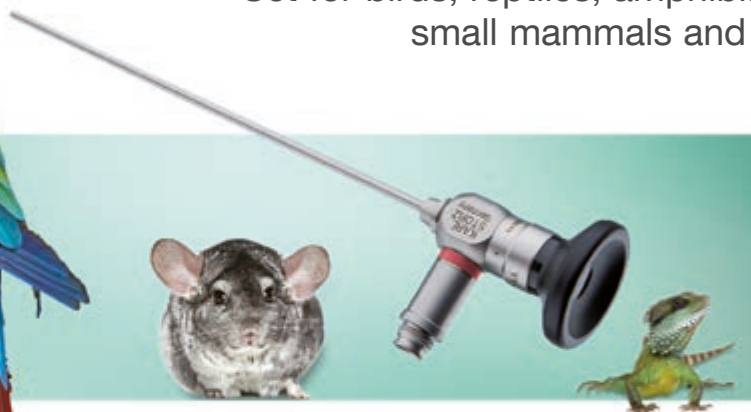


Endoscopy in Small Exotic Animals

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

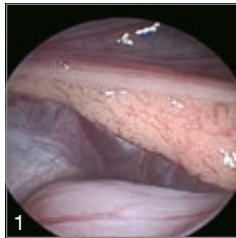


Fig. 2:
Iguana, testes and vas deferens

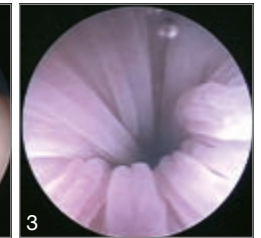
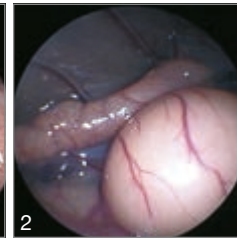


Fig. 3:
Iguana, esophagus with fluid infusion

Fig. 4:
Ferret, cranial abdomen

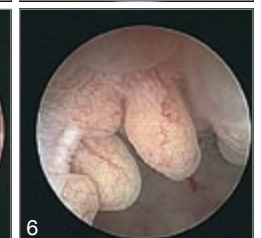
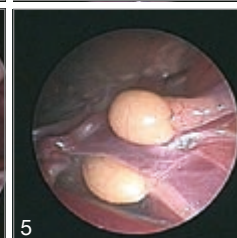
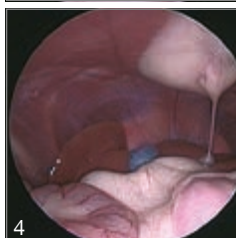


Fig. 5:
Plum-headed parakeet, testes

Fig. 6:
White cockatoo, cloacal lymphoma

Fig. 7:
Amazon parrot, cranio-thoracic air sac

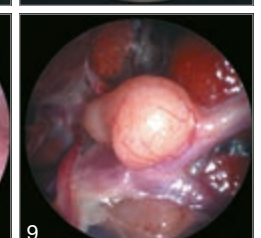
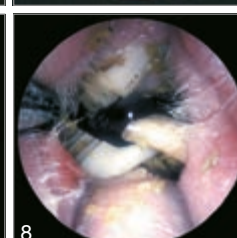
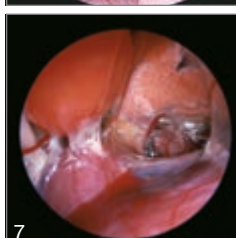


Fig. 8:
Guinea pig, molar malocclusion

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

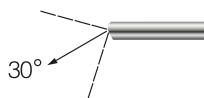
With a working channel of 5 Fr. and an outer diameter of only 11.5 Fr., this telescope fits into tight spaces and is therefore an ideal solution for celioscopy, cystoscopy, rhinoscopy and cloacoscopy in small exotic animals.



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

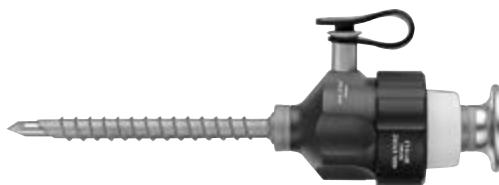
- Enables the use of flexible instruments size 5 Fr.



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 LUER-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.

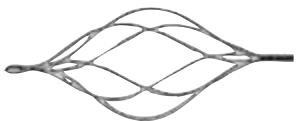


67159L

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.



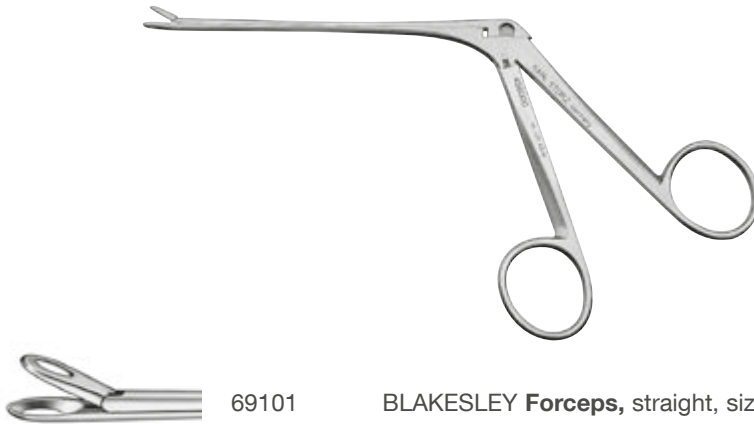
67772A

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



69101

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

MINI Universal Operating Telescope

- Operating telescope for laparoscopy, cystoscopy, rhinoscopy and cloacoscopy in smaller exotic animals



67030BA

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>

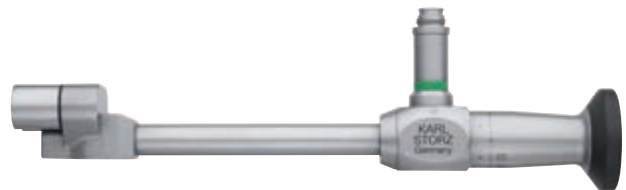


VITOM® 25



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*

STORZ
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THE DIAMOND STANDARD

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