**Endoscope**

**Your benefits**
- Crafted from extremely strong and flexible stainless steel, rigid but flexible enough for easy navigation to the cervix
- The longer, 43 centimeter length endoscope reaches the cervix in large breeds
- Narrow distal tip, just 2.75 millimeters in diameter, is small enough for use with Toy breeds (in 40% of dogs a cystoscope can not be used)
- The ocular of our endoscope is angular which eases handling during introduction
- Working channel is suitable for transcervical insemination catheter
- Less training necessary compared to other devices

**Technical data / Product specifications**
- Long, narrow shaft to easily accommodate both small and large dogs
- Angled eyepiece connection to the light source/camera via fiber-optic cable makes working more comfortable
- Rounded tip at the distal end
- Distal tip: 8 Fr
- Instrument: 9.5 Fr, conical (1 step 9.5 – 13.5)
- Central channel accommodates instruments and TC Cannulas up to 5 Fr
- Telescope: Karl Storz fiber-optic system, direction view of 6º
- Length: 43 cm
- Eyepiece: angled, rigid
- 2 right angled lateral irrigation connections
- Autoclavable

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**Benefits of the Transcervical Insemination compared to surgical or laparoscopic AI:**
- No anaesthesia/sedation necessary (only in very rare cases)
- Easy utilisation (after training)
- No side effects
- Both alternatives (laparascopic and surgical AI) are cost intensive

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**Endoscope**

REF.: 23700/1510

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**Tower System for Endoscope**

Minitube has configured a complete system for performing transcervical insemination utilizing industry leader Karl Storz endoscopic components. This system in conjunction with the Endoscope and TC Cannulas provide the perfect combination of tools to effectively and efficiently perform transcervical insemination on all sizes of canines.

**Veterinary III Camera**
REF.: 23700/1513

**Veterinary Halogen Cold Light Fountain (150 W)**
REF.: 23700/1512

**Fiber-optic Light Guide Cable**
REF.: 23700/1514

**LCD High-Res Color Monitor**
REF.: 18000/0189

**Equipment cart**
REF.: 23700/1520
The Minitube Shunt System for transcervical insemination is a dual purpose tool for the canine endoscope (Ref.: 23700/1510). It eliminates vaginal air loss around the Endoscope during insufflation by creating an air tight seal. The Shunt System also acts as a stabilizing platform for the Endoscope during the procedure.

The Shunt System includes:
- 1 x Shunt Stainless Steel Collar
- 1 x Replacement Catheter 55 (Ref.: 17500/0071)
- 1 x Replacement Catheter 105 (Ref.: 17500/0072)
- 5 x O-rings (Ref.: 17500/0073)
- 1 x 50 ml Syringe (Ref.: 17209/1050)
- Instruction manual

TC Cannula

Product features:
- Clear markings every centimeter with additional indicators every 5 centimeters
- Stylet implemented for perfect stiffness during procedure
- Supple material reinforced by a removable stylet for easy insertion
- Adapter for semen containing syringe included
- Single packed, length 70 cm

TC cannulas with single port:
The eye is 0.5 cm from tip to prevent blockage

For Minitube Endoscope and others
- CH4 : 17500/0004
- CH5 : 17500/0005

For endoscopes from other companies
- CH6 : 17500/0006
- CH8 : 17500/0008

TC cannulas with dual port:
Has an additional eye (approx. 2 cm from tip and rotated 60°)

For Minitube Endoscope and others
- CH4 : 17500/0024
- CH5 : 17500/0025

For endoscopes from other companies
- CH6 : 17500/0026
- CH8 : 17500/0028

Insufflation Pump

Manual pump with pilot balloon

REF. : 11122/0003

Shunt System for Endoscope

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Shunt System for Endoscope

REF. : 17500/0070