

## BR-M52H-1000 BRONCHOSCOPE

END-BR-M52H-1000



### PRODUCT DESCRIPTION

## The BR-M52H-1000 Semi-Disposable Flexible Bronchoscope is a state-of-the-art tool engineered for the diagnosis and treatment of respiratory conditions in veterinary patients.

Semi-disposable scopes are a cost-effective solution to limiting contamination risks, incurring less processing costs, and reducing time spent on maintenance whilst remaining the ideal solution for procedures.

Combining advanced design with high-quality imaging, it is perfectly suited to veterinary use, delivering exceptional precision in airway examinations, biopsies, foreign body retrieval treatments, and surgeries. This versatile bronchoscope is specifically designed for procedures involving the nasal cavity, upper respiratory tract, trachea, and bronchus, ensuring reliable performance across a range of diagnostic and therapeutic applications.

It has a working length of 1000mm with advanced 4-way rotation making it the ideal choice for veterinarians. The insertion tube outer diameter for the endoscope is 5mm, with a minimum working channel inner diameter is 2.2mm. The imaging quality is at Full HD resolution (1280 x 720 pixels) for crystal-clear visuals to help you navigate challenging procedures. The field of view for the scope is  $120^{\circ} \pm 10\%$ , with a  $0^{\circ} \pm 10^{\circ}$  forward-facing direction of view and a depth of field ranging from 3mm to 50mm.

The BR-M52H-1000 provides high-resolution imaging via the MS-8 Video Processor, ensuring clear, detailed visuals for examinations of the nasal cavity, upper respiratory tract, trachea, and bronchus. The unit can be used on small animal, equine, wildlife, zoo, avian and exotics. It can be utilised in a mixed practice or even in a remote setting.

The lightweight handle of the unit includes a suction port for seamless integration with irrigation systems and a biopsy port for channel instruments, with 2 customisable buttons that can be programmed from the all-in-one MS-8 processor to control photographing, videoing, white balance adjustments and graphics freezing with the selected buttons displayed as hotkeys.

There is a manual lever at the base of the handle which controls the bending section and the distal tip of the scope for precise

navigation. The high-quality medical grade patient tube is equipped with an integrated camera and LED light source. These components deliver high-definition visuals, transmitting image data to the MS-8 Image Processor via a 2500mm connecting wire.

Every bronchoscope is packed in sterilised, single-use packaging with the date of manufacture and expiration date clearly indicated on the label, ensuring an aseptic shelf life of 3 years. This minimises cross-contamination risks, enhancing safety for both patient and practitioner.

With seven models within the BR series, there is ample choice to meet the unique and diverse needs of veterinary practitioners who are making diagnosis and undertaking treatments on patients. The various sizes satisfy the requirements of different operational settings. This range is best suited to alveolar lavage, airway examinations, biopsies, foreign body removal, intubation, medication delivery and secretion suction procedures. The units are fast to set up, with the ability to run on battery for over 4 hours, making them the ideal choice for out of hours and remote work.

The BR-M52H-1000 bronchoscope offers reliability, flexibility, and high performance, making it a trusted choice for veterinary professionals seeking excellence in endoscopic care. It is compatible with all the conventional accessories and 1.8mm instruments such as biopsy forceps, foreign body forceps, baskets, prong graspers, retrieval graspers, brushes and mucus collection traps used in endoscopic care.

There will be a new model and scope range coming out for Equine in 2025.

### Key Features

- Full HD Resolution for clear, high-quality imaging.
- Built-in LED light source and high-definition camera.
- Variable field of view and sharp focus in narrow spaces and at great depths.
- High-quality patient tube with flexible distal end for smooth navigation.
- Supports a wide range of procedures versatile applications and advanced techniques.
- Easy and wide aspiration and sampling through the working channel.
- User-friendly multi-functional handle with programmable hotkeys for ease of use.
- Manual lever for precise control and adjustment when using the bending section.
- Safe and hygienic sterilised packaging with a 3-year aseptic shelf life, reducing cross-contamination risks.

### Specification

<b>Endoscope Model</b>	BR-M52H-1000 – Semi-Disposable Flexible Video Bronchoscope
<b>Field of View (°)</b>	120° ±10%
<b>Direction of View (°)</b>	0°±10°
<b>Depth of Field (mm)</b>	3mm - 50mm
<b>Insertion tube diameter(mm)</b>	5.0mm
<b>Working Length (mm)</b>	1000mm±10%
<b>Working Channel (mm)</b>	2.2mm±10%
<b>Bendable Portion (°)</b>	210° (upwards) and 210° (downwards), with a deviation of -5% (excluding upper limit)
<b>Functions</b>	Photographing / Videoing / White Balance / Graphics Freezing
<b>Connections</b>	USB / HDMI
<b>U/D, L/R rotation(ways)</b>	Advanced 4 Way Rotation
<b>CMOS Pixel (px)</b>	1280px*720px
<b>Optical</b>	Full HD, Wide Angle
<b>Overall Length (mm)</b>	860mm±10%

**Operational Environment Temperature (°C)**

5-40°C(41-104°F)

**Supporting Products:**

- END-253-585-187 - Dormia Metal Stone Basket flexible, 4 wires, 5cH 1800mm
- END-310-952-180 - Rat Tooth, 2:1 teeth flex. foreign body Forceps D: 1.8 mm, WL 180 cm
- END-310-963-180 - alligator forceps flex. foreign body forceps D: 1.8 mm, AL 180 cm
- END-310-904-180 - Biopsy Forceps Long Oval Cup, fenestrated 1.8 mm Diam. 180 cm length
- END-RC5FR200-S - Endoscope Catheter 1.8mm (5Fr) x200cm Luer Lock (Pack Of 10) Sterile
- END-17021182 - Mucus Collection Trap 30ml - Pk of 10
- END-SG5FR180 - Retrieval Grasper 1.8mm x 1800mm 3 Prong
- END-HGCY2018 - Cytology Brush 1.8mm x 1800mm
- END-KW1825GN (Ratigator - Grab Teeth Foreign Bodies) - Rubber Tip Grasping Forceps 1.8mm x 2500mm, Autoclavable & Reusable
- END-KW1825GJ (Ratigator - Grab Teeth Foreign Bodies) - Alligator Rat Tooth Combi Grasping Forceps 1.8mm x 2500mm, Autoclavable & Reusable
- END-NB5FR180 - Retrieval Basket 1.8mm x 1800mm

**List of Other Semi-Disposable BR Scopes**

Semi-disposable BR scopes							
Model	BR-M58H	BR-M58H-1500	BR-M52H	<b>BR-M52H-1000</b>	BR-M40H	BR-M32	BR-M25
Insertion tube diameter(mm)		6		<b>5</b>	4	3.1	2.5
Working channel(mm)		2.8		<b>2.2</b>			1.2
Working length(mm)	600	1500	600	<b>1000</b>			600
U/D, L/R rotation(ways)	2	4	2	<b>4</b>			2
CMOS Pixel	<b>1280*720 HD</b>					400*400	

**ADDITIONAL INFORMATION**

<b>Animal</b>	Companion animals
<b>SKU</b>	END-BR-M52H-1000
<b>Overall Product Dimensions (mm)</b>	860
<b>Colour/Style</b>	White
<b>Procedure Type</b>	Bronchoscopy, Diagnostic Endoscopy , Respiratory Examination, Rhinoscopy, Endoscopy, Laparoscopy, Arthroscopy, Cystoscopy, Tracheoscopy, Bronchoscopy, Cystoscopy, Otoscopy
<b>Biopsy Channel</b>	2.2mm
<b>Working Length (mm)</b>	1000

**Fitting**

Universal

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