

Experts for medical co-operations.

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VHIMED

Excellence in Laparoscopy





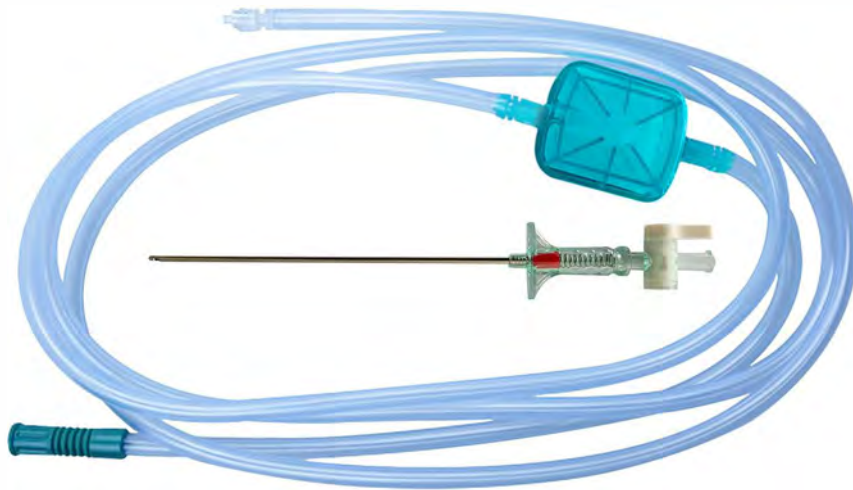
Our state-of-the-art manufacturing facilities include a large scale ISO Class 7 (Class 10,000) cleanroom with an uninterrupted 24 hours purified water supply. Our vertically integrated manufacturing system enables the streamlined production workflow from product concept, design and validation, injection mould design and production, to product final assembly. We continue to invest heavily in the manufacturing systems and the technical capacities to enhance our product portfolios in laparoscopy and advance the technologies in minimal invasive therapies. Our operation fully complies with ISO9001 quality management system and ISO13485 medical device quality management system to implement rigorous raw material quality control and strict process control thus to ensure that only the top notch products are manufactured and delivered to the worldwide customers.

Founded in 2014, VHMED is a global supplier of advanced laparoscopic tools, offering worldwide health care providers and practitioners high quality, easy to use products for the minimal invasive applications, helping the needed patients relieve pain, reduce medical expenses and shorten their recovery time.

We design and manufacture our products as the primary choice while our most loved ones are in the necessary need. We implement a complete product development cycle and a strict quality management system to guarantee our products as the reliable tools for global leading health care service providers. We offer solutions for both standard laparoscopy and 3mm laparoscopy.

Our range of products includes CO₂ Insufflation Devices, Trocar and Access Systems, Monopolar Metzenbaum Scissors, Dissectors, Graspers, Articulating Instruments, Specimen Retrieval Systems, Suction Irrigation Tube Set, Wound Protector / Retractor, Hemostatic Ligation Systems and Equipment Protection, are briefly outlined in this catalogue.



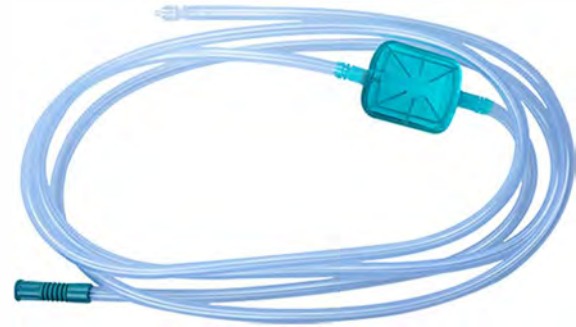









- ✓ Flation Insufflation Tube Set
- ✓ Flation Veress Needle

Insufflation Tube Set

VHMED Single Use Insufflation Tube Set is designed for connecting the veress needle or trocar to the carbon dioxide gas insufflating source for pneumoperitoneum purpose.

- High quality filter membrane with high efficacy rate of bacterial and viral filtering
- Tubes made of low memory material prevent kinking, ensures uninterrupted flow of insufflation
- Different connectors available for various insufflators
- Ultra low profile design, greatly reduces the footprint for transportation and logistics.



| Product Code | Product Name | Connector Type | GTIN |
|--------------|---|---|---------------|
| TB001 | Single-use Insufflation Tube, with Green Box Filter, Luer Lok Fitting |  | 6971254927419 |
| TB002 | Single-use Insufflation Tube, with Green Box Filter, 15mm Male/22mm Female ISO Connection Fitting |  | 6971254927426 |
| TB003 | Single-use Insufflation Tube, with Green Box Filter, Push-in Fitting |  | 6971254927433 |
| TB004 | Single-use Insufflation Tube, with Green Box Filter, O-Ring Fitting |  | 6971254927440 |
| TB006 | Single-use Insufflation Tube, without Filter, Luer Lok Fitting |  | 6971254927464 |
| TB007 | Single-use Insufflation Tube, without Filter, 15mm Male/22mm Female ISO Connection Fitting |  | 6971254927471 |
| TB008 | Single-use Insufflation Tube, without Filter, Push-in Fitting |  | 6971254927488 |
| TB009 | Single-use Insufflation Tube, without Filter, O-Ring Fitting |  | 6971254927495 |

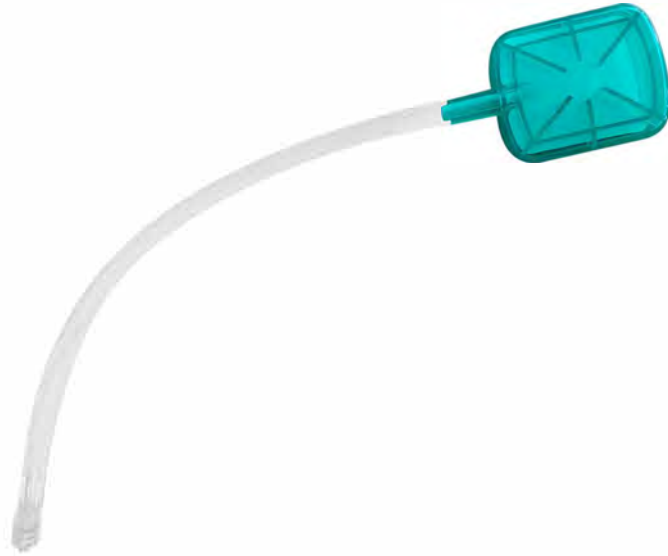
Veress Needle



VHMED Single Use Veress Needle is used for establishing the pneumoperitoneum safely and effectively. It is designed with the following features:

- Spring loaded shielded needle tip provides patient safety
- Audible design upon percutaneous insertion
- Highlighted visible needle position identifier offers extra safety
- Luer lock connection with integrated switch

| Product Code | Product Name | Diameter | Length | EA / BX | GTIN |
|--------------|---------------|----------|--------|---------|---------------|
| AT001 | Veress Needle | 2.1mm | 120mm | 50 | 6971254920014 |
| AT003 | Veress Needle | 2.1mm | 150mm | 50 | 6971254920038 |



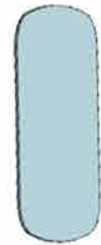
Greenbox[®] Smoke Filter

VHMED Single-Use Greenbox[®] Smoke Filter is designed to provide a smoke and virus free environment during often confined laparoscopic procedures.

SINGLE USE SMOKE FILTER

VHMED Greenbox[®] Smoke Filter

EAES and SAGES have released guidance on dealing with smoke and gas evacuation during surgeries in this pandemic period of time.^{[1][2]}



Viral Filter



Smoke Filter



VHMED Smoke Filter device is featured with proprietary Greenbox[®] design, greatly reduces the footprint for transportation and logistics. The Greenbox[®] is designed with High-Efficiency Particulate Air (HEPA) filter membrane and traditional acticarbon membrane to effectively filter minimum 99.97% of airborne particles. In replacement of the traditional smoke filter without viral filtering function, it can be used in conjunction with the wall suction to filter and evacuate the hazardous gas plume generated in the operating procedures without adding an extra smoke evacuation equipment.

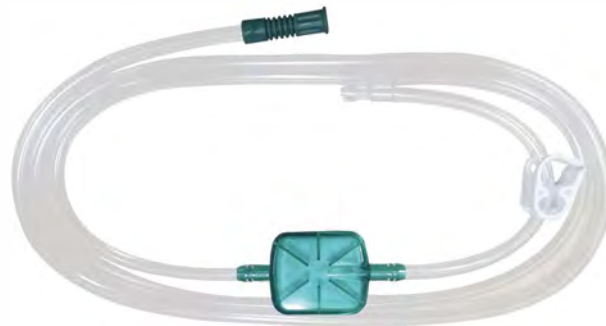
[1] <https://www.sages.org/resources-smoke-gas-evacuation-during-open-laparoscopic-endoscopic-procedures/>

[2] <https://www.sages.org/recommendations-surgical-response-covid-19/>

VHMED Greenbox® Smoke Filter



TB101



TB102

| Product Code | Product Name | Length | GTIN |
|--------------|--|--------|---------------|
| TB101 | Single-use Smoke Filter | 270mm | 6971254926016 |
| TB102 | Single-use Smoke Filter Device with Suction Connection | 3000mm | 6971254926023 |



AUTOSHIELD TROCAR
BLADELESS OPTICAL TROCAR
HASSON TROCAR
LOW PROFILE TROCAR

AutoShield Trocar



VHMED Single-Use AutoShield Trocar is designed for easy introduction of trocar cannula with shielded bladed trocar obturator. The spring loaded trocar blade is shielded in the housing while not facing any percutaneous forces.

| Product Code | Product Name | Diameter | EA | βX | EA | βX | GTIN |
|--------------|------------------------|----------|-------|----|----|----|---------------|
| AT012 | Auto Shield Trocar Set | 5mm | 100mm | 6 | | | 6971254920076 |
| AT013 | Auto Shield Trocar Set | 10mm | 100mm | 6 | | | 6971254920090 |
| AT014 | Auto Shield Trocar Set | 12mm | 100mm | 6 | | | 6971254920113 |

Port 5mm 10mm 12mm Bladeless Optical Trocar



VHMED Single-Use Bladeless Optical Trocar is designed with bladeless tip allowing the less traumatic introduction of the port. The trocar tip is facilitated with dilating wing for easier introduction while maintaining the least traumatic profile. Its sleek optical design is also enabling the percutaneous introduction visible while having the laparoscope inserted in the trocar.

| Product Code | Product Name | Diameter | Instrument | Length | EA / BX | GTIN |
|--------------|------------------------------|----------|------------|--------|---------|---------------|
| AT031S | Bladeless Trocar Set | 5mm | 3/5mm | 75mm | 6 | 6971254921103 |
| AT031 | Bladeless Trocar Set | 5mm | 3/5mm | 100mm | 6 | 6971254920267 |
| AT032 | Bladeless Trocar Set | 5mm | 5mm | 100mm | 6 | 6971254920298 |
| AT033 | Bladeless Optical Trocar Set | 10mm | 10mm | 100mm | 6 | 6971254920311 |
| AT034 | Bladeless Optical Trocar Set | 12mm | 12mm | 100mm | 6 | 6971254920335 |

✓ Port 12mm

Hasson Trocar



VHMED Single-Use Hasson Trocar is designed for surgeons who prefer open technique.

- Very safe introduction to port by its blunt tip design
- Port depth is easily adjustable by spring loaded clip
- Super tight fascial fixation with screw type cannula

| Product Code | Product Name | Diameter | Length | EA / BX | GTIN |
|--------------|-------------------|----------|--------|---------|---------------|
| AT042 | Hasson Trocar Set | 12mm | 100mm | 6 | 6971254920441 |

Cannula Only

| Product Code | Product Name | Diameter | Length | EA / BX | GTIN |
|--------------|----------------|----------|--------|---------|---------------|
| AT062 | Trocar Cannula | 5mm | 100mm | 6 | 6971254920625 |
| AT063 | Trocar Cannula | 10mm | 100mm | 6 | 6971254920649 |
| AT064 | Trocar Cannula | 12mm | 100mm | 6 | 6971254920663 |

✓ Port 3mm 5mm

Low Profile Trocar



VHMED low profile trocar is designed with slim profile but brings comfort in use. It comes with bladeless trocar obturator.

| Product Code | Product Name | Diameter | EA / BX | EA / BX | GTIN |
|--------------|---|----------|---------|---------|---------------|
| AT021 | Low Profile Bladeless Dilating Trocar Set | 3mm | 60mm | 14 | 6971254920151 |
| AT021L | Low Profile Bladeless Dilating Trocar Set | 3mm | 100mm | 10 | 6971254920168 |
| AT022 | Low Profile Bladeless Dilating Trocar Set | 5mm | 75mm | 14 | 6971254920175 |
| AT022L | Low Profile Bladeless Dilating Trocar Set | 5mm | 100mm | 10 | 6971254920182 |



PORT CLOSURE

Trocar port site herniation (TSH) is a common trocar site complication after laparoscopic surgery. VHMED port closure devices are designed to minimize the occurrence of trocar site hernia. We have designed two versions of port closure devices, one with sharp tip design and the other one with blunt tip design.

Sharp Tip Port Closure Device



- Wide opening allowing easy catching of the suture
- Suture passing guide cones fit with different incision sizes
- Ergonomic finger fit handle design provides ultimate user comfort

| Product Code | Product Name | Diameter | Length | GTIN |
|--------------|--|----------|--------|---------------|
| CL401 | Single-use Sharp Tip Port Closure Device | 2.1mm | 150mm | 6971254927815 |
| CL402 | Single-use Sharp Tip Port Closure Device with Suture Guides(5/8mm) | 2.1mm | 150mm | 6971254927822 |
| CL403 | Single-use Sharp Tip Port Closure Device with Suture Guides(10/12mm) | 2.1mm | 150mm | 6971254927839 |
| CL405 | Single-use Sharp Tip Port Closure Device with Suture Guides(5/8mm , 10/12mm) | 2.1mm | 150mm | 6971254927853 |

Blunt Tip Port Closure Device



- Finger tip control for the suture catching
- Blunt tip design provides easy and safe control
- Suture passing guide cones fit with different incision sizes
- Ergonomic finger fit handle design provides ultimate user comfort

| Product Code | Product Name | Diameter | Length | GTIN |
|--------------|---|----------|--------|---------------|
| CL411 | Single-use Blunt Tip Port Closure Device | 2.1mm | 150mm | 6971254928218 |
| CL412 | Single-use Blunt Tip Port Closure Device with Suture Guides(5/8mm) | 2.1mm | 150mm | 6971254928225 |
| CL413 | Single-use Blunt Tip Port Closure Device with Suture Guides(10/12mm) | 2.1mm | 150mm | 6971254928232 |
| CL415 | Single-use Blunt Tip Port Closure Device with Suture Guides(5/8mm, 10/12mm) | 2.1mm | 150mm | 6971254928256 |



5mm V Shear

Outstanding metalwork on the VHMED Metzenbaum Scissors ensures the sharp cutting at every surgical procedure.

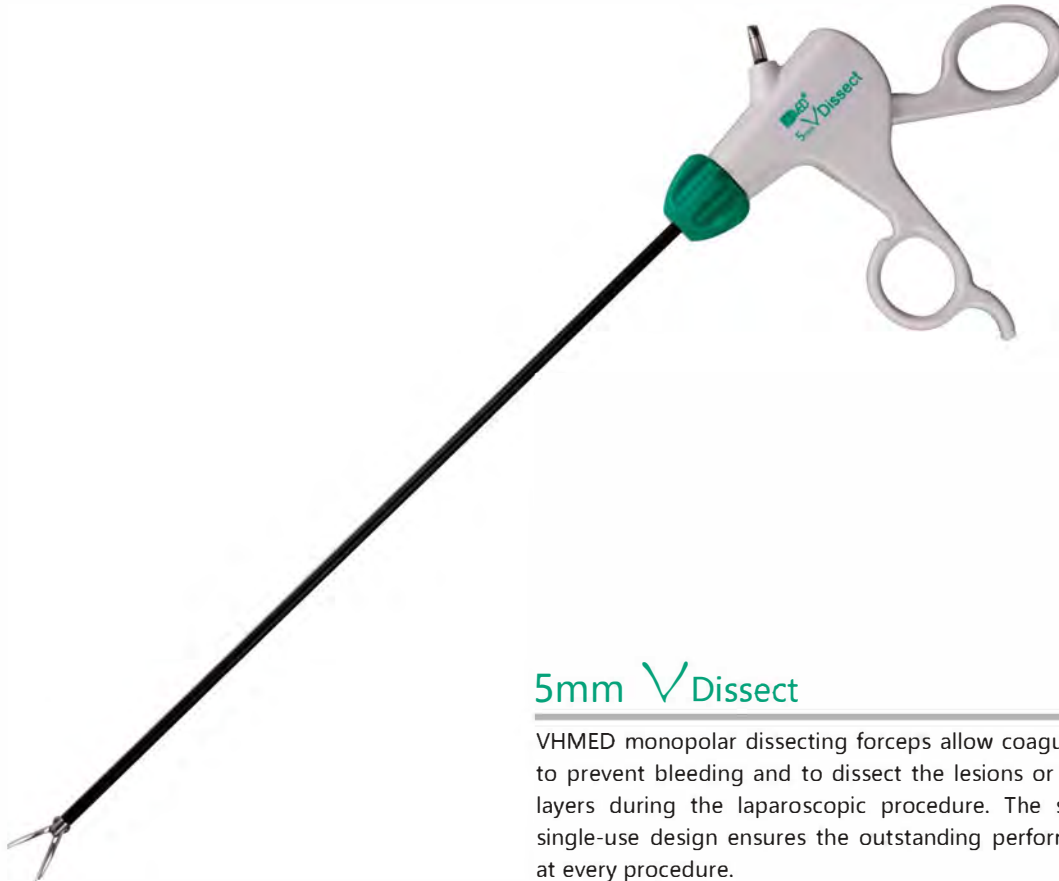


VHMED high performance monopolar \checkmark Shear Metzenbaum scissors are designed with the following features:

- Superior cutting sharpness attributes to the unparalleled metalworking
- Complete insulation to tip design to avoid unintended cautery burns
- Colour knob to easily identify the instrument
- Fingertips controlled 360° large rotation wheel to enable precise blade manipulation
- Ultra-lightweight design to reduce fatigue
- Optional handle cushion to further reduce

Curved Scissors (blade length: 15mm)Mini Curved Scissors (blade length: 11mm) the finger fatigue

| Product Code | ES Source | Product Name | Knob Colour | Working Length | EA / BX | GTIN |
|--------------|-----------|---|-------------|----------------|---------|---------------|
| LS1001 | Monopolar | 5mm Standard Curved Metzenbaum Scissors | ● | 330mm | 5 | 6971254922025 |
| LS1001L | Monopolar | 5mm Standard Curved Metzenbaum Scissors | ● | 450mm | 5 | 6971254922032 |
| LS1003 | Monopolar | 5mm Curved Metzenbaum Mini Scissors | ● | 330mm | 5 | 6971254922087 |
| LS1003L | Monopolar | 5mm Curved Metzenbaum Mini Scissors | ● | 450mm | 5 | 6971254922094 |



5mm V Dissect

VHMED monopolar dissecting forceps allow coagulation to prevent bleeding and to dissect the lesions or tissue layers during the laparoscopic procedure. The sterile, single-use design ensures the outstanding performance at every procedure.

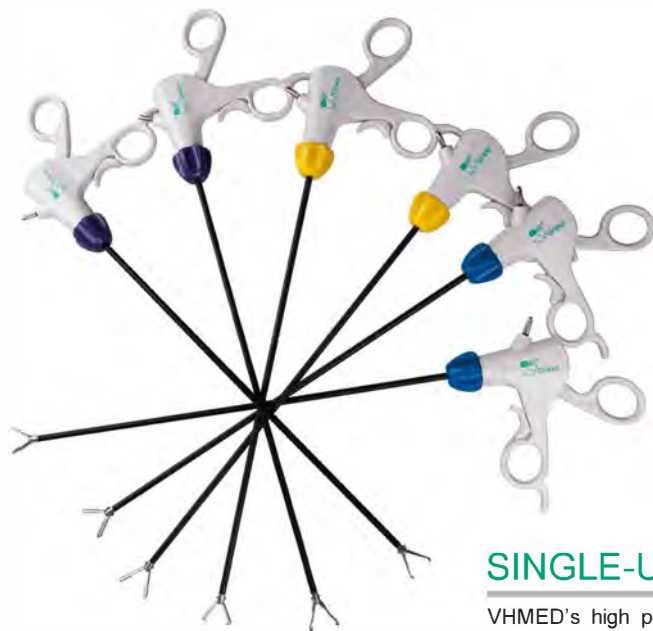


Maryland Dissecting Forceps

VHMED high performance monopolar \checkmark Dissect Maryland dissecting forceps are designed with the following features:

- Wide angle jaws enable easier operation
- Excellent finishing on the tip designed for patient safety
- Colour knob to easily identify the instrument
- Fingertip controlled 360° rotatable large wheel to enable precise manipulation
- Ultra-lightweight design to reduce fatigue
- Optional handle cushion to further reduce the finger fatigue

| Product Code | ES Source | Product Name | Knob Colour | Working Length | EA / BX | GTIN |
|--------------|-----------|-------------------------|-------------|----------------|---------|---------------|
| LS1011 | Monopolar | 5mm Maryland Dissectors | ● | 330mm | 5 | 6971254922148 |
| LS1011L | Monopolar | 5mm Maryland Dissectors | ● | 450mm | 5 | 6971254922155 |



SINGLE-USE GRASPING FORCEPS

VHMED's high performance monopolar grasping forceps are designed with the following features:

- Wide opening angle jaws enable easier operation
- Excellent finishing on the tip designed for patient safety
- Strong grasping forces for easy and safe operation
- Colour knob to easily identify the instrument
- Fingertip controlled 360° rotation wheel to enable precise manipulation
- Ultra-lightweight design to reduce surgeon's fatigue
- Optional handle cushion to further reduce the finger fatigue



Johann Grasping Forceps



Intestinal Forceps



Blunt Tip Atraumatic Grasping Forceps

| Product Code | ES Source | Product Name | Knob Colour | Working Length | EA / BX | GTIN |
|--------------|-----------|-----------------------------------|-------------|----------------|---------|---------------|
| LS1021 | Monopolar | 5mm Fenestrated Johann Graspers | ● | 330mm | 5 | 6971254922209 |
| LS1023 | Monopolar | 5mm Intestinal Forceps | ● | 330mm | 5 | 6971254922261 |
| LS1024 | Monopolar | 5mm Blunt Tip Atraumatic Graspers | ● | 330mm | 5 | 6971254922292 |



Clinch Grasping Forceps



Claw Grasping Forceps

| Product Code | ES Source | Product Name | Knob Colour | Working Length | EA / BX | GTIN |
|--------------|-----------|---------------------|-------------|----------------|---------|---------------|
| LS1025 | Monopolar | 5mm Clinch Graspers | ● | 330mm | 5 | 6971254922322 |
| LS1026 | Monopolar | 5mm Claw Graspers | ● | 330mm | 5 | 6971254922353 |

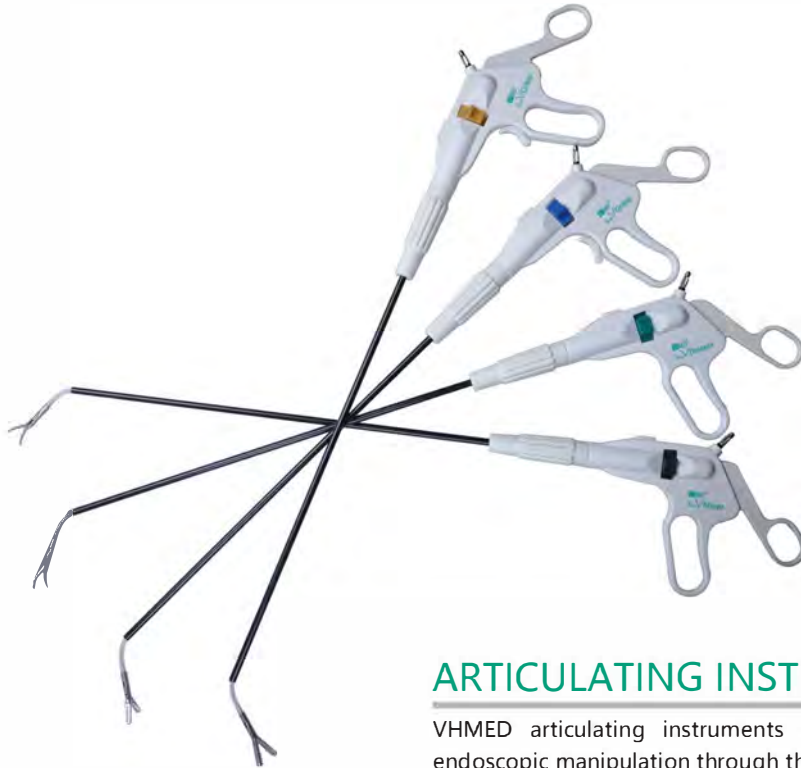


Babcock Grasping Forceps



Allis Grasping Forceps

| Product Code | ES Source | Product Name | Knob Colour | Working Length | EA / BX | GTIN |
|--------------|-----------|----------------------|-------------|----------------|---------|---------------|
| LS1027 | Monopolar | 5mm Babcock Graspers | ● | 330mm | 5 | 6971254922384 |
| LS1028 | Monopolar | 5mm Allis Graspers | ● | 330mm | 5 | 6971254922414 |



ARTICULATING INSTRUMENTS

VHMED articulating instruments offer the maximum endoscopic manipulation through the maximal 80 degree angulation on the distal tip. VHMED articulating instruments are particularly useful in the reduced port or single port laparoscopic procedures.

✓Shear

5mm



Curved Scissors

✓Dissect

5mm



Maryland Dissectors

✓Grasp

5mm



Johann Graspers

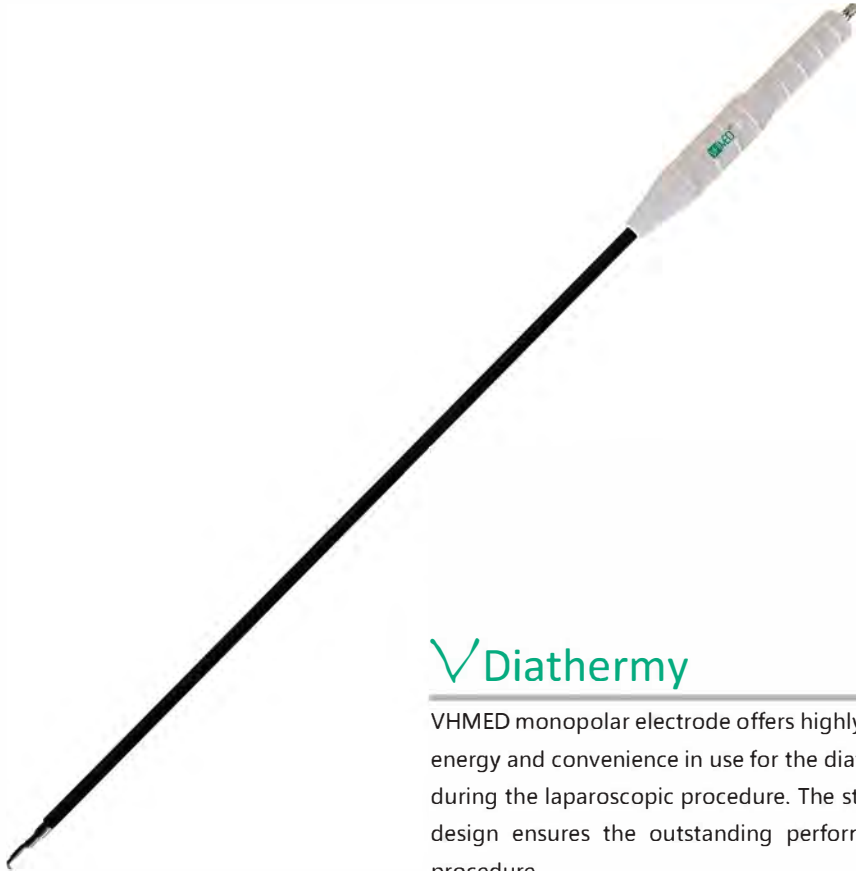
✓Grasp

5mm



Clinch Graspers

| Product Code | ES Source | Product Name | Knob Colour | Working Length | EA / BX | GTIN |
|--------------|-----------|--|--|----------------|---------|---------------|
| LS1041 | Monopolar | 5mm Articulating Curved Metzenbaum Scissors |  | 330mm | 5 | 6971254922698 |
| LS1042 | Monopolar | 5mm Articulating Maryland Dissectors |  | 330mm | 5 | 6971254922728 |
| LS1043 | Monopolar | 5mm Articulating Johann Fenestrated Graspers with Ratchet System |  | 330mm | 5 | 6971254922759 |
| LS1044 | Monopolar | 5mm Articulating Clinch Graspers with Ratchet System |  | 330mm | 5 | 6971254922780 |



✓ Diathermy

VHMED monopolar electrode offers highly conductive e/s energy and convenience in use for the diathermy purpose during the laparoscopic procedure. The sterile, single use design ensures the outstanding performance at every procedure.



LS1031



LS1032



LS1034



LS1038



LS6031

Incorporating with monopolar electro-surgical connection, diathermy electrodes supply electrocautery energy that is transmitted to the distal end of the device.

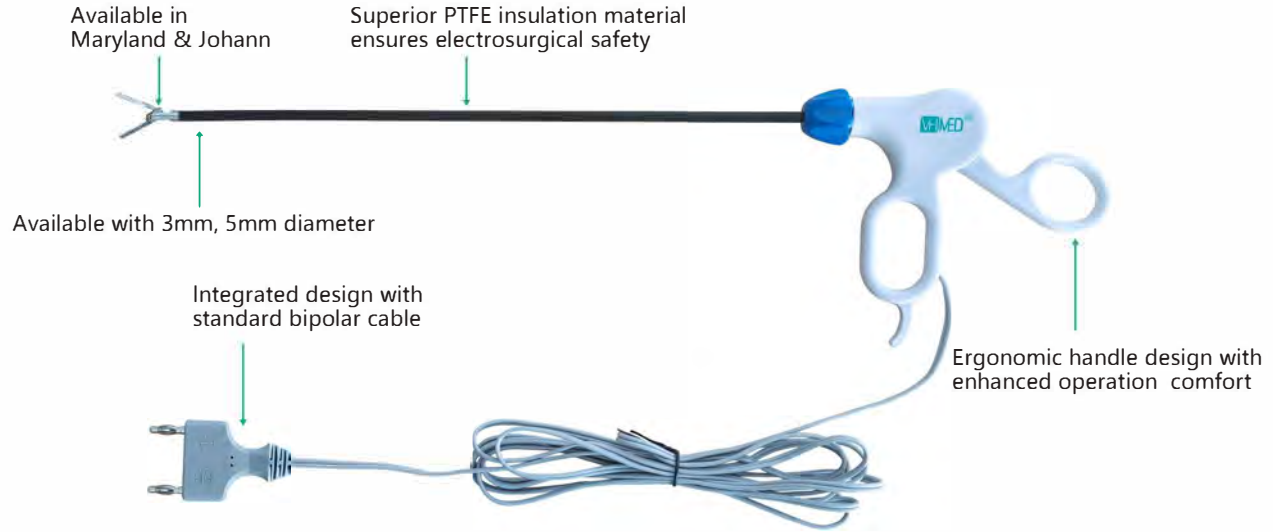
- Complete insulation to tip design to avoid unintended cautery burns
- High quality insulation material ensures electro-surgical safety

| Product Code | ES Source | Product Name | Working Length | EA / BX | GTIN |
|--------------|-----------|---|----------------|---------|---------------|
| LS1031 | Monopolar | Single-use Monopolar L Hook Coagulation Electrode, Shaft Diameter: 5mm | 330mm | 10 | 6971254922506 |
| LS1031L | Monopolar | Single-use Monopolar L Hook Coagulation Electrode, Shaft Diameter: 5mm | 450mm | 10 | 6971254922513 |
| LS1032 | Monopolar | Single-use Monopolar J Hook Coagulation Electrode, Shaft Diameter: 5mm | 330mm | 10 | 6971254922537 |
| LS1032L | Monopolar | Single-use Monopolar J Hook Coagulation Electrode, Shaft Diameter: 5mm | 450mm | 10 | 6971254922544 |
| LS1034 | Monopolar | Single-use Monopolar Ball Coagulation Electrode, Shaft Diameter: 5mm | 330mm | 10 | 6971254922599 |
| LS1034L | Monopolar | Single-use Monopolar Ball Coagulation Electrode, Shaft Diameter: 5mm | 450mm | 10 | 6971254922605 |
| LS1038 | Monopolar | Single-use Monopolar L Hook Coagulation Electrode with Extended Insulation, Shaft Diameter: 5mm | 330mm | 10 | 6971254921226 |
| LS1038L | Monopolar | Single-use Monopolar L Hook Coagulation Electrode with Extended Insulation, Shaft Diameter: 5mm | 450mm | 10 | 6971254921233 |
| LS6031 | Monopolar | Single-use Monopolar L Hook Coagulation Electrode, Shaft Diameter: 3mm | 280mm | 10 | 6971254923565 |
| LS6031L | Monopolar | Single-use Monopolar L Hook Coagulation Electrode, Shaft Diameter: 3mm | 340mm | 10 | 6971254923572 |



BIPOLAR GRASPING FORCEPS

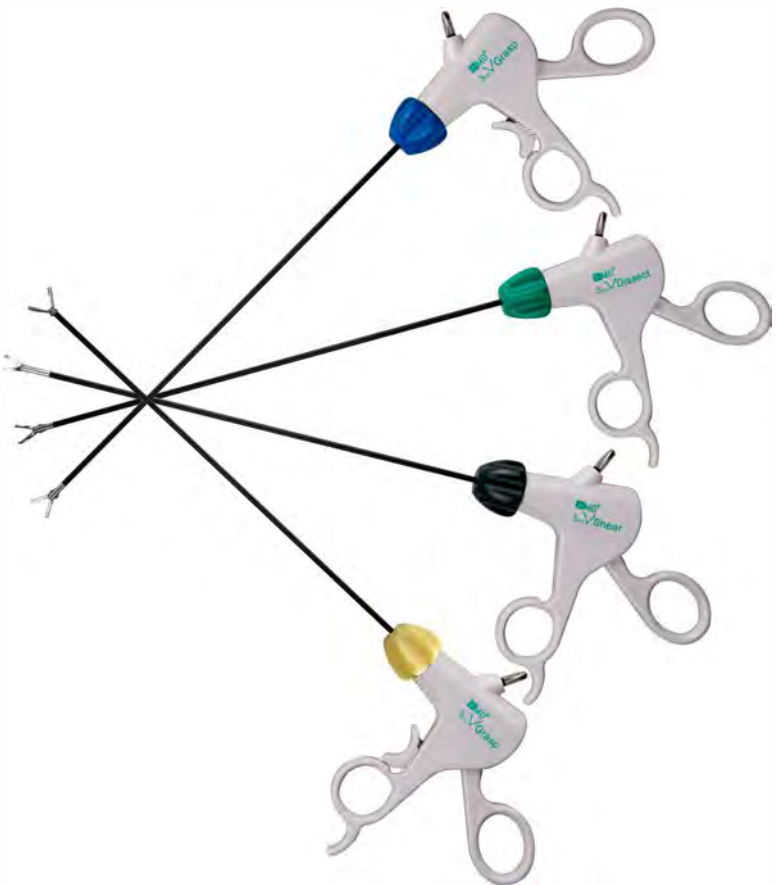
VHMED laparoscopic bipolar forceps are featured with a pair of instruments jaws securely insulated with high quality, medical grade polymer material with high thermal and energy resistance, providing superior grasping forces and outstanding electrocautery performance. The additional layer of insulation on the electrocautery connection offers enhanced electrosurgical safety for the operator.



- Monotype materials provide outstanding electrocautery performance
- High quality medical grade stainless steel material ensures superior grasping/dissecting forces
- High quality polymer based inter-jaws insulation with thermal and energy resistance

| Product Code | ES Source | Product Name | Working Length | EA / BX | GTIN |
|--------------|-----------|---|----------------|---------|---------------|
| LS2202 | Bipolar | Single-use Bipolar Maryland Dissecting Forceps, Shaft Diameter: 3mm | 280mm | 5 | 6971254924555 |
| LS2203 | Bipolar | Single-use Bipolar Johann Grasping Forceps, Shaft Diameter: 3mm | 280mm | 5 | 6971254924586 |
| LS2002 | Bipolar | Single-use Bipolar Maryland Dissecting Forceps, Shaft Diameter: 5mm | 330mm | 5 | 6971254924296 |
| LS2003 | Bipolar | Single-use Bipolar Johann Grasping Forceps, Shaft Diameter: 5mm | 330mm | 5 | 6971254924326 |

3MM LAPAROSCOPIC INSTRUMENTS



VHMED 3mm laparoscopic products enable surgeons to perform micro-laparoscopic surgeries with standard laparoscopic techniques. The reduced port size provides both clinical and cosmetic benefits for the necessary laparoscopic procedures. VHMED 3mm trocars and instruments are single-use to avoid the needs of re-sterilization, and to eliminate the possible bio-contamination.

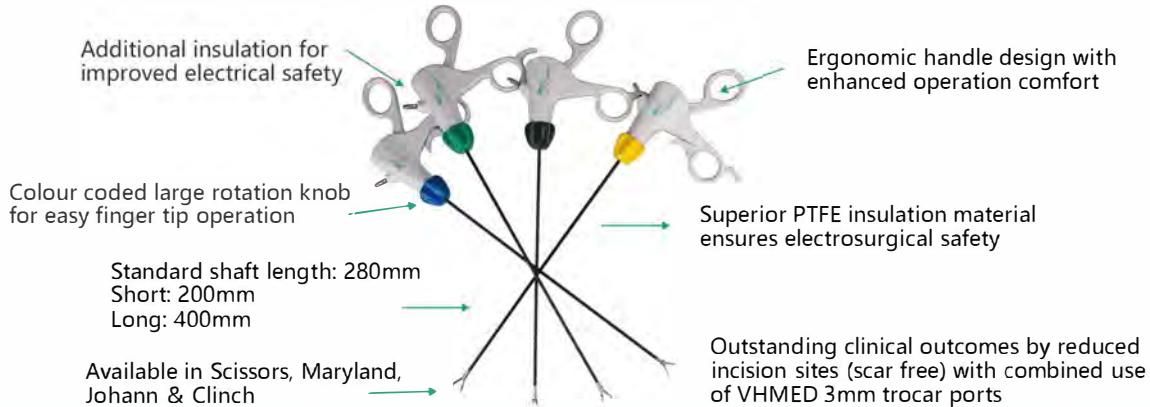
- Standard electro-surgery connections, great instrument compatibility
- Ergonomically designed Prezena® instrument handle, outstanding user comfort
- Additional insulation layer with advanced material, improved electro-surgical safety
- Colour coded design, with enhanced instrument identification in the operating theatre
- Intuitive ratchet on/off mechanism on all graspers offers greater flexibility in tissue manipulations

3MM Low Profile Trocars



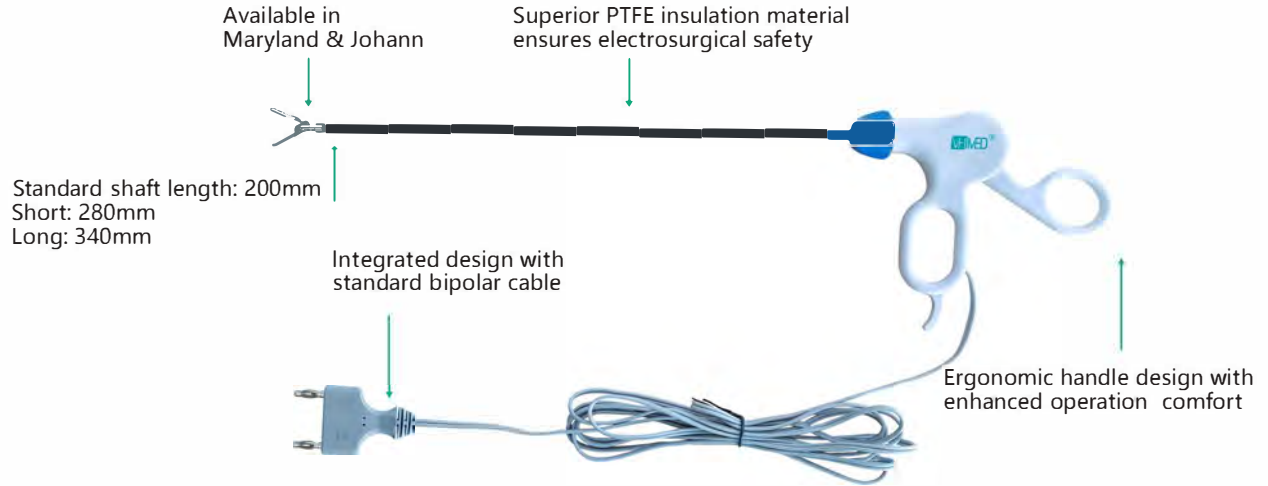
| Product Code | Product Name | Diameter | Length | EA / BX | GTIN |
|--------------|---|----------|--------|---------|---------------|
| AT021 | Low Profile Bladeless Dilating Trocar Set | 3mm | 60mm | 14 | 6971254920151 |
| AT021L | Low Profile Bladeless Dilating Trocar Set | 3mm | 100mm | 10 | 6971254920168 |
| AT022 | Low Profile Bladeless Dilating Trocar Set | 3mm | 75mm | 14 | 6971254920175 |
| AT022L | Low Profile Bladeless Dilating Trocar Set | 3mm | 100mm | 10 | 6971254920182 |

3MM Laparoscopic Hand Instruments



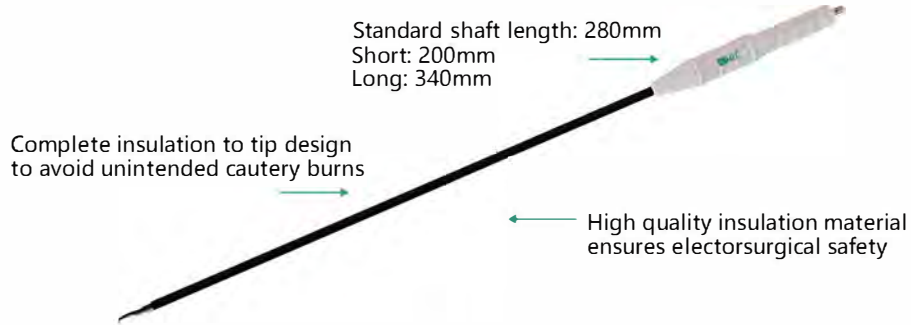
| Product Code | ES Source | Product Name | Knob Colour | Working Length | EA / BX |
|--------------|-----------|---------------------------------|-------------|----------------|---------|
| LS6001 | Monopolar | 3mm Metzenbaum Scissors | ● | 280 | 5 |
| LS6011 | Monopolar | 3mm Maryland Dissectors | ● | 280 | 5 |
| LS6021 | Monopolar | 3mm Fenestrated Johann Graspers | ● | 280 | 5 |
| LS6025 | Monopolar | 3mm Clinch Graspers | ● | 280 | 5 |
| LS6001S | Monopolar | 3mm Metzenbaum Scissors | ● | 200 | 5 |
| LS6011S | Monopolar | 3mm Maryland Dissectors | ● | 200 | 5 |
| LS6021S | Monopolar | 3mm Fenestrated Johann Graspers | ● | 200 | 5 |
| LS6025S | Monopolar | 3mm Clinch Graspers | ● | 200 | 5 |
| LS6001L | Monopolar | 3mm Metzenbaum Scissors | ● | 340 | 5 |
| LS6011L | Monopolar | 3mm Maryland Dissectors | ● | 340 | 5 |
| LS6021L | Monopolar | 3mm Fenestrated Johann Graspers | ● | 340 | 5 |
| LS6025L | Monopolar | 3mm Clinch Graspers | ● | 340 | 5 |

3MM Bipolar Forceps



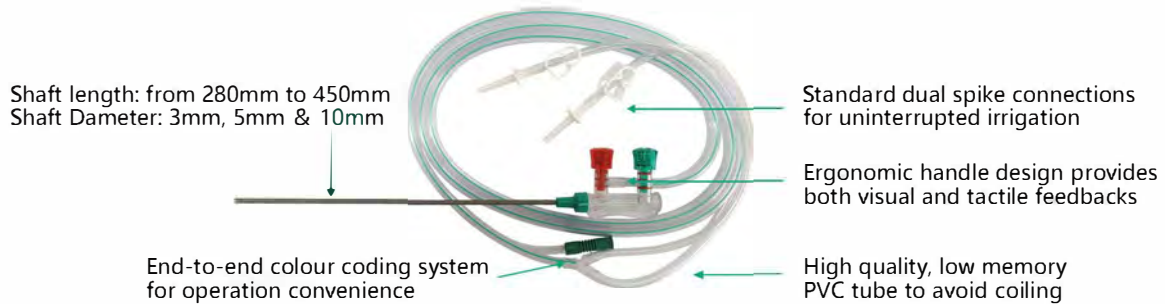
| Product Code | ES Source | Product Name | Working Length | EA / BX | GTIN |
|--------------|-----------|---|----------------|---------|---------------|
| LS2202S | Bipolar | Single-use Bipolar Maryland Dissecting Forceps, Shaft Diameter: 3mm | 200mm | 5 | 6971254924548 |
| LS2202 | Bipolar | Single-use Bipolar Maryland Dissecting Forceps, Shaft Diameter: 3mm | 280mm | 5 | 6971254924555 |
| LS2202L | Bipolar | Single-use Bipolar Maryland Dissecting Forceps, Shaft Diameter: 3mm | 340mm | 5 | 6971254924562 |
| LS2203S | Bipolar | Single-use Bipolar Johann Grasping Forceps, Shaft Diameter: 3mm | 200mm | 5 | 6971254924579 |
| LS2203 | Bipolar | Single-use Bipolar Johann Grasping Forceps, Shaft Diameter: 3mm | 280mm | 5 | 6971254924586 |
| LS2203L | Bipolar | Single-use Bipolar Johann Grasping Forceps, Shaft Diameter: 3mm | 340mm | 5 | 6971254924593 |

3MM L Hook Diathemy Electrode



| Product Code | ES Source | Product Name | Working Length | EA / BX | GTIN |
|--------------|-----------|---|----------------|---------|---------------|
| LS6031S | Monopolar | Single-use Monopolar L Hook Coagulation Electrode, Shaft Diameter: 3mm | 200mm | 10 | 6971254923558 |
| LS6031 | Monopolar | Single-use Monopolar L Hook Coagulation Electrode, Shaft Diameter: 3mm | 280mm | 10 | 6971254923565 |
| LS6031L | Monopolar | Single-use Monopolar L Hook Coagulation Electrode, Shaft Diameter: 3mm | 340mm | 10 | 6971254923572 |
| LS6032S | Monopolar | Single-use Monopolar J Hook Coagulation Electrode, Shaft Diameter: 3mm | 200mm | 10 | 697125492112 |
| LS6032 | Monopolar | Single-use Monopolar J Hook Coagulation Electrode, Shaft Diameter: 3mm | 280mm | 10 | 697125492113 |
| LS6032L | Monopolar | Single-use Monopolar J Hook Coagulation Electrode, Shaft Diameter: 3mm | 340mm | 10 | 697125492114 |
| LS6034S | Monopolar | Single-use Monopolar Ball Hook Coagulation Electrode, Shaft Diameter: 3mm | 200mm | 10 | 697125492118 |
| LS6034 | Monopolar | Single-use Monopolar Ball Hook Coagulation Electrode, Shaft Diameter: 3mm | 280mm | 10 | 697125492119 |
| LS6034L | Monopolar | Single-use Monopolar Ball Hook Coagulation Electrode, Shaft Diameter: 3mm | 340mm | 10 | 697125492120 |

3MM Suction Irrigation Tube

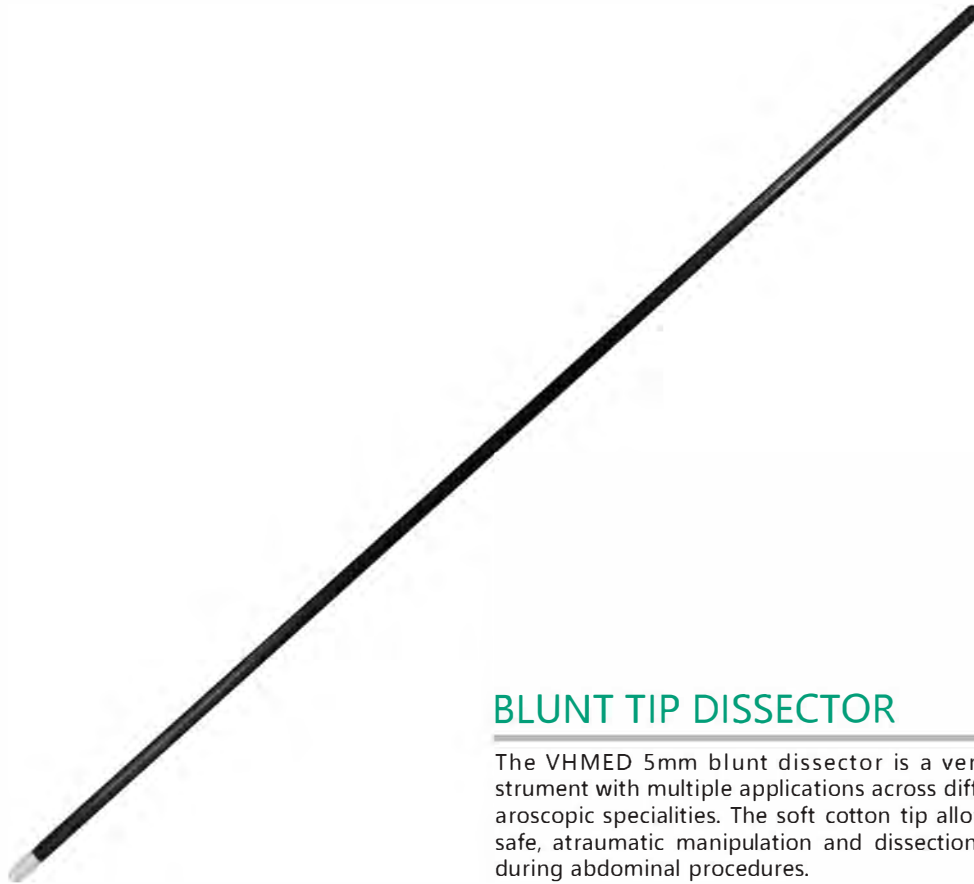


| Product Code | Product Name | Working Diameter | Tube Length | EA / BX | GTIN |
|--------------|-----------------------------|------------------|-------------|---------|---------------|
| TB011 | Suction Irrigation Tube Set | 3mm | 3m | 5 | 6971254922054 |

Laparoscopic Aspiration Needle



| Product Code | Product Name | Working Length | GTIN |
|--------------|---|----------------|---------------|
| LS8001S | Laparoscopic aspiration needle, Shaft Diameter: 3mm | 340mm | 6971254924203 |



BLUNT TIP DISSECTOR

The VHMED 5mm blunt dissector is a versatile instrument with multiple applications across different laparoscopic specialities. The soft cotton tip allows for the safe, atraumatic manipulation and dissection of tissue during abdominal procedures.

Blunt Tip Dissector



- Super soft tip prevents any unintentional tissue damage.
- Non-linting, absorbent tip allows quick and effective bleed check or bleed control.
- Non-conductive shaft prevents any inadvertent direct coupling from electrosurgical instruments.

| Product Code | Product Name | Working Length | EA / BX | GTIN |
|--------------|---|----------------|---------|---------------|
| LS8002 | Single-use Blunt Tip Dissector, Shaft Diameter: 5mm | 450mm | 20 | 6971254924234 |
| LS8002T | Single-use Blunt Tip Dissector, Shaft Diameter: 5mm, 3 Units Pack | 450mm | 20 | 6971254927600 |



LAPAROSCOPIC ASPIRATION NEEDLE

VHMED aspiration needle is designed for the simple, safe aspiration of fluids from cysts and organs inside of the patient's cavity during a laparoscopic procedure.

Laparoscopic Aspiration Needle



- Standard Luer Lock connection fits to regular syringe for standard aspiration
- 3mm/5mm shaft for simple, safe introduction through a regular laparoscopic trocar
- Beveled sharp needle tip for controlled cyst / organ penetration
- 16G ultra fine central shaft pipe allows sufficient fluid flows through the instrument

| Product Code | Product Name | Working Length | EA / BX | GTIN |
|--------------|-------------------------------------|----------------|---------|---------------|
| LS8001S | Laparoscopic Aspiration Needle, 3mm | 340mm | 20 | 6971254924203 |
| LS8001 | Laparoscopic Aspiration Needle, 5mm | 340mm | 20 | 6971254924210 |



ELABAG[®] SPECIMEN RETRIEVAL SYSTEMS

ELABAG sets a new standard for the specimen retrievals in the endoscopic procedures by offering unparalleled ease of use and superior burst strength. ELABAG is your trusted tool for the every day endoscopic specimen retrievals.

ELABAG® SPECIMEN RETRIEVAL SYSTEMS

- Introducing tab allows the bag easily to enter into the patient's cavity through the trocar cannula.
- Large bag opening makes the specimen retrievals precise, quick and hassle-free.
- Taper bag design facilitates easy enclosing of the specimens.
- Ultra lightweight rip-stop nylon material offers the utmost burst strength.
- Translucent material provides visibility of the specimens.
- Radio-opaque tabs allow bag profile visible in X-Ray.
- Coarse drawing tether provides comfort in use.



| Product Code | Device Name & Parameters | Trocar Size | Approx Volume | GTIN |
|--------------|---|-------------|---------------|---------------|
| SR200 | ELABAG® Specimen Retrieval System, X-Small | 5/10/12mm | 100ml | 6971254925187 |
| SR201 | ELABAG® Specimen Retrieval System, Small | 10/12mm | 300ml | 6971254925194 |
| SR202 | ELABAG® Specimen Retrieval System, Medium | 10/12mm | 700ml | 6971254925200 |
| SR203 | ELABAG® Specimen Retrieval System, Large | 10/12mm | 1250ml | 6971254925217 |
| SR204 | ELABAG® Specimen Retrieval System, X-Large | 10/12mm | 1750ml | 6971254925214 |
| SR205 | ELABAG® Specimen Retrieval System, XX-Large | 12/15mm | 2500ml | 6971254925231 |



10mm \checkmark Catch
 \checkmark Catch Simply

VHMED specimen retrieval system offers easy, safe endo retrieval solutions. Three different designs provide surgeons with the flexibility of their choice.

Non-Detachable Endobag

VHMED Non-Detachable Endobags are designed with the following features:



- Self-opening pouch design for easy and safe specimen capture
- High strength bag design ensures no leakage, minimizes the risk of infection
- Ergonomic handle design for improved operator comfort
- 10mm introducer provides easy and less invasive access

| Product Code | Product Name | Volume | Working Diameter | Working Length | EA / BX | GTIN |
|--------------|---------------------------------------|--------|------------------|----------------|---------|---------------|
| SR002 | Non-Detachable Specimen Retrieval Bag | 200 | 10 | 330 | 8 | 6971254925026 |
| SR003 | Non-Detachable Specimen Retrieval Bag | 400 | 10 | 330 | 8 | 6971254925033 |

Detachable Endobag

VHMED Detachable Endobags are designed with the following features:



- Self-opening pouch design for easy and safe specimen capture
- High strength bag design ensures no leakage, minimizes the risk of infection
- Easy grab coarse rope greatly reduces the drag force
- Ergonomic handle design for improved operator comfort
- 10mm introducer provides easy and less invasive access

| Product Code | Product Name | Volume | Working Diameter | Working Length | EA / BX | GTIN |
|--------------|-----------------------------------|--------|------------------|----------------|---------|---------------|
| SR006 | Detachable Specimen Retrieval Bag | 200 | 10 | 330 | 8 | 6971254925064 |
| SR007 | Detachable Specimen Retrieval Bag | 400 | 10 | 330 | 8 | 6971254925071 |



FISHMANN®

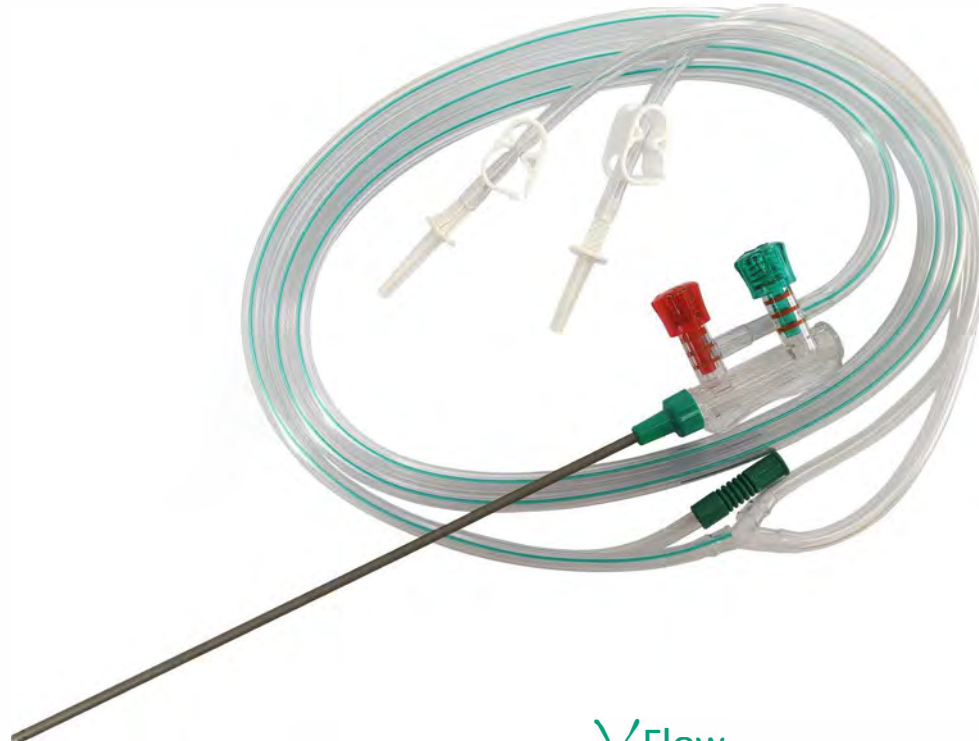
VHMED specimen retrieval system offers easy, safe endo retrieval solutions. Different sizes of bags are designed for the retrieval of the tissues or organs in different sizes.

FISHMANN®

VHMED FISHMANN® range of burst resistant specimen retrieval systems are ergonomically designed with patented bag retention and release mechanism, an intuitive handle with proprietary Damocles® design, a burst proof tapered bag made of precisely engineered ripstop fabrics and a comfortably single piece drawing tether. The featured taper bag design allows the specimen retrieval at ease. The high memorable metal ring on the bag rim ensures the largest bag opening with proximity to the anatomic structure to facilitate easy specimen retrieval. The Taper Bag® endo specimen retrieval system meets the highest requirements on specimen retrievals of different laparoscopic procedures.

- Super burst resistant bag
- Featured Damocles® ergonomic handle, for maximum operating comfort
- Proprietary design to allow multiple uses on a single patient
- Large opening with the proximity to the specimen, for easily catching the specimen
- Translucent shaft, visible bag movement
- Coarse drawing tether provides maximum operating comfort

| Product Code | Device Name & Parameters | Trocar Size | Approx Volume | GTIN |
|--------------|--|-------------|---------------|---------------|
| SR101 | FISHMANN® Specimen Retrieval Bag, Small | 10mm | 300ml | 6971254925125 |
| SR102 | FISHMANN® Specimen Retrieval Bag, Medium | 10mm | 500ml | 6971254925132 |
| SR103 | FISHMANN® Specimen Retrieval Bag, Medium-Large | 12mm | 700ml | 6971254925149 |
| SR104 | FISHMANN® Specimen Retrieval Bag, Large | 12mm | 1250ml | 6971254925156 |
| SR105 | FISHMANN® Specimen Retrieval Bag, X-Large | 15mm | 1750ml | 6971254925163 |



VFlow

VHMED suction & irrigation tube set is designed for the pressurized control of irrigating and clearing debris from the surgical site in a laparoscopic procedure.

Suction & Irrigation Tube Set

Single-use suction irrigation tube set is used for the cleansing of the operative site. It is designed for:

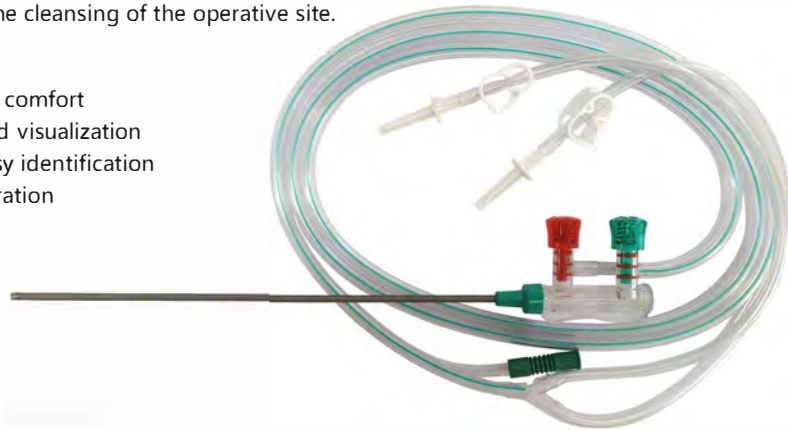
- Ergonomic handpiece designed for operational comfort
- Transparent hand piece design for unobstructed visualization
- Colour coded control buttons and tubes for easy identification
- Tactile impression controls facilitate easier operation
- One way valve prevents refluxing



TB015



TB016



| Product Code | Product Name | Working Diameter | Working Diameter | Tube Length | EA / BX | GTIN |
|--------------|--|------------------|------------------|-------------|---------|---------------|
| TB011 | Suction & Irrigation Tube Set | 3mm | 330mm | 3m | 5 | 6971254926054 |
| TB012 | Suction & Irrigation Tube Set | 5mm | 330mm | 3m | 5 | 6971254926085 |
| TB012L | Suction & Irrigation Tube Set | 5mm | 450mm | 3m | 5 | 6971254926091 |
| TB013 | Suction & Irrigation Tube Set | 10mm | 330mm | 3m | 5 | 6971254926115 |
| TB015 | Suction & Irrigation Tube Set With Hook Electrode | 5mm | .330mm | 3m | 5 | 6971254926207 |
| TB016 | Suction & Irrigation Tube Set With Spatula Electrode | 5mm | 330mm | 3m | 5 | 6971254926238 |



HEIGHT ADJUSTABLE FIXED HEIGHT

VHMED wound protector / retractor is made of high quality, biocompatible polymers and silicone materials to greatly reduce the chance of surgical site infections, complications and to protect the surgical site from any possible instrument damage.

Wound Protector / Retractor

VHMED single-use and sterile wound protector / retractor has a great advantage in wound site protection and infection control, and also provides operative convenience.

360° Wound Protection:

- Prevents incision site infections
- Prevents cancerous cell seeding and metastasis.
- Prevents wound infections
- Maintains the wound site humidity to accelerate wound healing
- Prevents burns or damages from the instrument

360° Wound Retraction:

- Broader operative view by the maximal retraction
- Reduces tissue damage through its wound site even retraction force
- Effectively prevents wound site tissue bleeding
- Reduces post-op wound pain and extravasation by excessive drag force

Height Adjustable



| Product Code | Diameter | Height | Incision Size | GTIN |
|--------------|----------|--------|---------------|---------------|
| AT900 | 60mm | 150mm | 2-4cm | 6971254920830 |
| AT901 | 80mm | 150mm | 2.5-6cm | 6971254920847 |
| AT902 | 120mm | 250mm | 5-9cm | 6971254920854 |
| AT903 | 150mm | 250mm | 7-12cm | 6971254920861 |
| AT904 | 180mm | 250mm | 9-14cm | 6971254920878 |
| AT905 | 200mm | 250mm | 11-17cm | 6971254920885 |
| AT906 | 220mm | 250mm | 14-18cm | 6971254920892 |
| AT907 | 250mm | 250mm | 17-20cm | 6971254920908 |
| AT908 | 270mm | 250mm | 18-21cm | 6971254920915 |
| AT909 | 280mm | 250mm | 20-22cm | 6971254920922 |
| AT910 | 320mm | 250mm | 22-27cm | 6971254920939 |

Fixed Height



| Product Code | Diameter | Height | Incision Size | GTIN |
|--------------|----------|--------|---------------|---------------|
| AT920 | 15mm | 25mm | 2cm | 6971254920960 |
| AT921 | 25mm | 25mm | 3cm | 6971254920977 |
| AT922 | 25mm | 30mm | 3cm | 6971254920984 |
| AT923 | 25mm | 25mm | 3cm | 6971254920991 |
| AT924 | 30mm | 40mm | 3.5cm | 6971254921004 |
| AT925 | 35mm | 30mm | 4cm | 6971254921011 |
| AT926 | 35mm | 50mm | 4cm | 6971254921028 |
| AT927 | 35mm | 40mm | 4cm | 6971254921035 |
| AT928 | 25mm | 5mm | 3cm | 6971254921042 |
| AT929 | 35mm | 5mm | 4cm | 6971254921059 |
| AT930 | 60mm | 30mm | 6cm | 6971254921066 |



VSeal TITANIUM CLIPS POLYMER CLIPS

VSeal hemostatic ligation system is designed to be implanted around a blood vessel, lymphatic vessel, other tubular anatomy, or a tissue bundle for permanent occlusion. The ligation system is designed for open and endoscopic surgeries.

Titanium Hemostatic Ligation Clips

VSeal titanium hemostatic ligation clips are used in the closure and ligation of the tubal structure during the open or laparoscopic procedures. The VSeal titanium ligation system is made of ASTM approved biocompatible titanium material to ensure safe and secure implantation. The clips are designed with four different sizes for the closures of different sized tissues.

VSeal titanium clips are designed with clip applicators for both endoscopic and open procedures.



| Product Code | Product Name | Clip Size | Clips Cartridge | Cartridge Colour | EA / BX | GTIN |
|--------------|------------------------------------|--------------|-----------------|---|---------|---------------|
| CL001 | Titanium Hemostatic Ligation Clips | Small | 6 |  | 20 | 6971254927013 |
| CL002 | Titanium Hemostatic Ligation Clips | Medium | 6 |  | 20 | 6971254927020 |
| CL003 | Titanium Hemostatic Ligation Clips | Medium Large | 6 |  | 20 | 6971254927037 |
| CL004 | Titanium Hemostatic Ligation Clips | Large | 6 |  | 20 | 6971254927044 |

Endo Appliers



| Product Code | Product Name | Clip Size | Shaft Diameter | Shaft Length | Knowledge | GTIN |
|--------------|--|--------------|----------------|--------------|---|---------------|
| CL011 | Endo Applier for Titanium Ligation Clips | Small | 5mm | 330mm |  | 6971254927143 |
| CL012 | Endo Applier for Titanium Ligation Clips | Medium | 10mm | 330mm |  | 6971254927150 |
| CL013 | Endo Applier for Titanium Ligation Clips | Medium Large | 10mm | 330mm |  | 6971254927167 |
| CL014 | Endo Applier for Titanium Ligation Clips | Large | 10mm | 330mm |  | 6971254927174 |

Open Appliers



| Product Code | Product Name | Clip Size | Handle Colour | GTIN |
|--------------|--|--------------|---------------|---------------|
| CL021 | Open Applier for Titanium Ligation Clips | Small | ● | 6971254927181 |
| CL022 | Open Applier for Titanium Ligation Clips | Medium | ○ | 6971254927198 |
| CL023 | Open Applier for Titanium Ligation Clips | Medium Large | ● | 6971254927204 |
| CL024 | Open Applier for Titanium Ligation Clips | Large | ● | 6971254927211 |

Polymer Ligation Clips

VSeal polymer ligation clips are designed with advanced implantable polymer materials to provide energy free, cool, secure ligation. The polymer system avoids the thermal spread in energy based ligation systems, such as Valleylab or Harmonic systems.



Medium Large



Large



Extra Large

| Product Code | Product Name | Size | Number of Clips | Cartridge Color | EA / BX | GTIN |
|--------------|----------------------------|------|-----------------|-----------------|---------|---------------|
| CL102 | Medium Large Polymer Clips | ML | 6 | ● | 20 | 6971254927068 |
| CL103 | Large Polymer Clips | L | 6 | ● | 20 | 6971254927075 |
| CL104 | Extra Large Polymer Clips | XL | 6 | ● | 20 | 6971254927082 |

Endo Appliers & Removers



| Product Code | Device Name & Parameters | Clip Size | Handle Color | GTIN |
|--------------|---|-----------|--------------|---------------|
| CL112 | Endo Applier for Medium Large Polymer Clips | ML | ● | 6971254927228 |
| CL113 | Endo Applier for Large Polymer Clips | L | ● | 6971254927235 |
| CL114 | Endo Applier for Extra Large Polymer Clips | XL | ● | 6971254927242 |
| CL115 | Endo Clips Remover for ML,L Polymer Clips | ML,L | | 6971254927259 |
| CL116 | Endo Clips Remover for L,XL Polymer Clips | L,XL | | 6971254927266 |

Appliers & Removers



| Product Code | Device Name & Parameters | Clip Size | Handle Color | GTIN |
|--------------|---|-----------|--------------|---------------|
| CL122 | Open Applier for Medium Large Polymer Clips | ML | ● | 6971254927280 |
| CL123 | Open Applier for Large Polymer Clips | L | ● | 6971254927297 |
| CL124 | Open Applier for Extra Large Polymer Clips | XL | ● | 6971254927303 |
| CL125 | Open Clips Remover for ML,L Polymer Clips | ML,L | | 6971254927310 |
| CL126 | Open Clips Remover for L,XL Polymer Clips | L,XL | | 6971254927327 |



CAM-PROTECT™

Endoscopic camera cover system is designed for complete endoscopic camera protection with secured scope lock mechanism and 100% enclosed camera and cable protection.

ENCLOSED ENDOSCOPIC CAMERA COVER SYSTEM

CAM-PROTECT™: Completely Covered

Cam-Protect™ Enclosed Endoscopic Camera Cover System offers a sterile barrier for the expensive endoscopic camera by fully covering the camera 100% inside of the drape. The lens adaptor with scope lock mechanism seamlessly connects the camera and the endoscope. The device will significantly extend the operating life span of the endoscopic camera system and reduce the equipment transit time between the OR and CSSD department.



- Step-wise folding system allows easy draping
- Scope lock prevents unintended scope rotation
- Lock / unlock mechanism allows quick scope change
- High quality medical grade HDPE material allows quick draping and de-draping
- Tyvek packaging provides a secured sterile barrier.

| Product Code | Product Name | Width | Length | GTIN |
|--------------|--|-------|--------|---------------|
| EP001 | Cam-Protect™ Enclosed Endoscopic Camera Cover System | 15cm | 3m | 6971254927914 |



VHMED™ ANTI-FOG® SOLUTION KIT
ELECTROSURGICAL CAUTERY TIP CLEANER

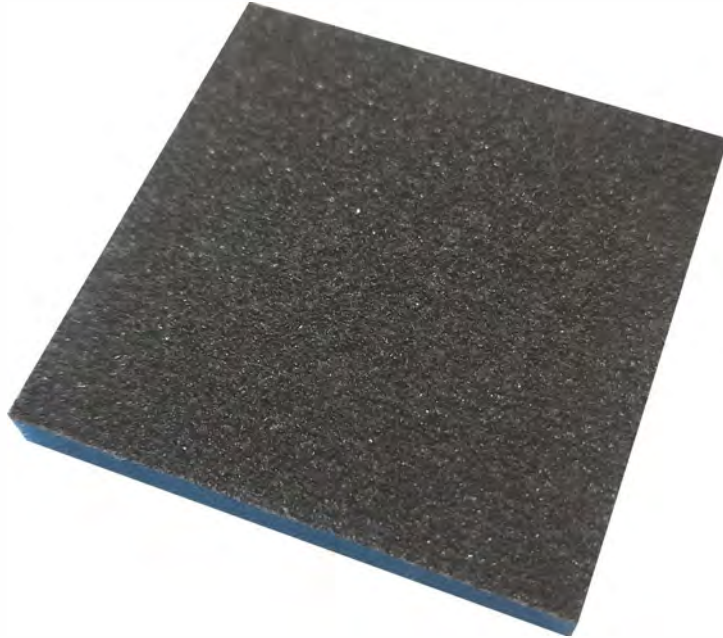
ANTI-FOG® Solution Kit

VHMED ANTI-FOG® Solution Kit is an ideal tool to prevent the formation of condensation on the lens and provides a fog-free endoscope. The product is packed with 6ml carefully formulated solution in a HDPE dispensing bottle and a soft X-Ray detectable sponge with adhesive backing. The product is single-use and sterile.



- Sterile and ready to use
- 6ml carefully formulated solution ensures clear endoscopic vision in the entire procedure
- Soft lint-free sponge for lens protection and cleaning
- Adhesive backing with a 5cm × 5cm large area for universal placement
- Radiopaque marker, X-Ray detectable guarantees patient safety

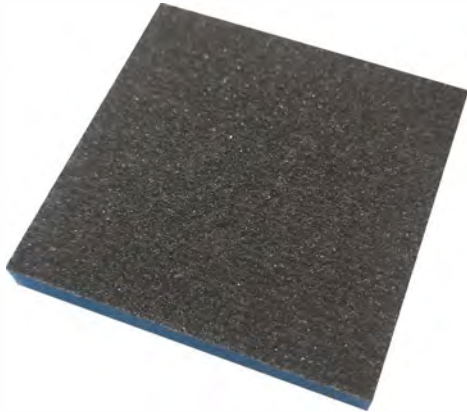
| Product Code | Product Name | Specifications | GTIN |
|--------------|------------------------|----------------|---------------|
| EP100 | ANTI-FOG® Solution Kit | 5cm×5cm, 6ml | 6971254927945 |



ELECTROSURGICAL CAUTERY TIP CLEANER

Electrosurgical Cautery Tip Cleaner

VHMED electrosurgical cautery tip cleaner is designed for the use with stainless steel electrodes. It is an ideal tool to keep the electrosurgical blades, pencil tips and monopolar or bipolar cautery probes free of debris during surgery. The electrosurgical cautery tip cleaner features a foam pad with an abrasive surface. The pad has an adhesive back for universal placement. The product is packaged sterile and ready to use. It is a single- use device made with no natural rubber latex.



- Sterile and ready to use
- Abrasive surface ensures effectiveness in cleaning
- Adhesive backing with a 5cm × 5cm large area for universal placement
- Radiopaque marker, X-Ray detectable guarantees patient safety

| Product Code | Product Name | Specifications | GTIN |
|--------------|-------------------------------------|----------------|---------------|
| EP111 | Electrosurgical Cautery Tip Cleaner | 5cm×5cm | 6971254927952 |

Patient

Patient Safety lies on the topmost priority of all our business activities. Improved clinical outcome is critical to our long term success. Patients are the most concern of our entire organization.

Practitioner

Doctors, Nurses and Biomedical Engineers are the users of VHMED products. They rely on our products as the trusted tools to deliver optimal clinical outcome. We believe in providing them with adequate training and clinical user guidance are essential to improved patient safety and clinical result.

Partner

Our partners include but not limited to Employees, OEM/ODM customers, Distributors, Dealers and Re-sellers, Regulatory Parties, Healthcare Administrative, Local Community, Suppliers and Shareholders. These partners are essential to our long term success. We believe in shared and fair trade in dealing with our partner relations. Our associates are the key asset in our organization. Our associates' happy and satisfactory work in the company is the renewed vitality source of our organization. Long-term hard work of our employees is essential and the only path to our development and growth.

In any event of contradiction on the above, always follow the first point.



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