



MICRO-TECH™  
ENDOSCOPY



## HEMOSTASIS

CLIPS, ENDOCLOT®, NEEDLES AND  
LIGATION-SYSTEMS

YOUR TRUSTED PARTNER IN ENDOSCOPY



# LOCKADO™

## STRONGER HOLD, MORE CONTROL

The LOCKADO™ was designed by MICRO-TECH to stop bleeding more efficiently. The main reason for this is the increased compression pressure. Thanks to the improved locking force, the clip is also suitable for treating large lesions, defects and tumor tissue by providing a reliable grip. Ten teeth, six of which are positioned on the side of the clip, reinforce the hold. They ensure optimal inclusion

and retention of the tissue. Repeated positioning before clip final deployment enables more precision and flexibility. The clip segment protruding into the lumen is particularly short and thus reduces the risk of injuries to the opposing tissue. MICRO-TECH offers the LOCKADO™ in three different clip widths (8, 11 and 16 mm) to cover different needs and possible areas of application.

### SPECIFIC CHARACTERISTICS

- Bleeding can be stopped quickly and in a targeted manner
- Increased compression force
- Ten teeth (six of them on the side of the clip) ensure an ideal grip
- Repositioning is possible before final deployment of the clip into place
- High degree of fixation due to better tissue adaptation
- Short clip segment reduces injuries to the surrounding tissue
- Precise control even in angled areas



Reliable fixation



Precise rotatability



Span of up to 16 mm

### SPECIFICATIONS

REF	Clip max. span width mm	Length mm	Clip angle	Instrument Ø mm	Grip color	Covering
<b>LOCKADO™</b>						
LOCK-C-26-195-C	8	1950	135°	2,6	Pink	Pink
LOCK-C-26-230-C	8	2300	135°	2,6	Pink	Pink
LOCK-D-26-195-C	11	1950	135°	2,6	Blue	Blue
LOCK-D-26-230-C	11	2300	135°	2,6	Blue	Blue
LOCK-F-26-195-C	16	1950	135°	2,6	Yellow	Yellow
LOCK-F-26-230-C	16	2300	135°	2,6	Yellow	Yellow

Packaging unit: 10 pieces



# ENDOCLLOT®

## THE REVOLUTIONARY SOLUTION FOR HEMOSTASIS

EndoClot® PHS is the innovative technique for hemostasis in endoscopy. The AMP® particles obtained in a patented manufacturing process extract water from blood extremely

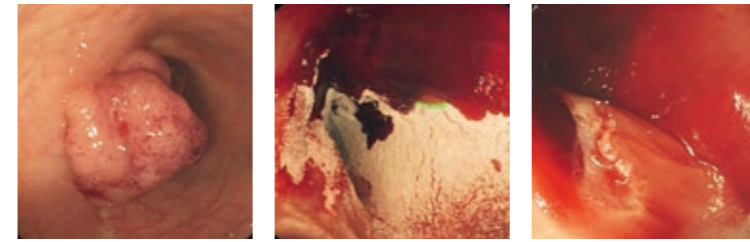
fast. Thus the clotting process is accelerated and the protective gel matrix enables a reliable hemostasis – especially in cases where conventional methods can not be applied.

### SPECIFIC CHARACTERISTICS

- For gastroscopy and colonoscopy
- Also for new therapeutical solutions
- Application under endoscopical sight
- Easy set-up and handling
- Direct application to the bleeding site
- Natural degradation of the particles



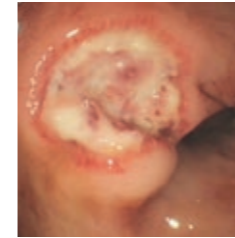
Complete system with air compressor



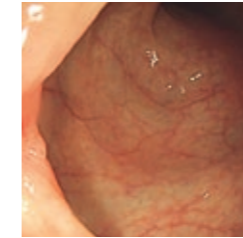
A

B

C



D



E

- A EMR was applied to remove the colon adenoma
- B AMP® particles were applied to control heavy postoperative bleeding
- C A gel-like barrier formed to “seal” the bleeding wound
- D 48 hour reexamination – clean wound
- E 1 month reexamination – wound healed completely

### SPECIFICATIONS

REF	AMP® Particles	Catheter length mm	Packaging unit
<b>ENDOCLLOT® PLUS COLO-SET (CATHETER + PARTICLES)</b>			
EPK2302	2g	2300	1 set/PU
<b>ENDOCLLOT® CATHETER</b>			
EA230	–	2300	5 pc./PU
<b>ENDOCLLOT® COMPRESSOR</b>			
EPAC-2	–	–	1 pc./PU
<b>ENDOCLLOT® COMPRESSOR CONNECTING TUBE</b>			
EPAC-1T	–	1550	10 pc./PU

# ENDOCLLOT® ADHESIVE

## SYNTHETIC, SAFE, LONG LASTING

**NEW GENERATION**

With EndoClot® Adhesive MICRO-TECH expands the range for reliable hemostasis in endoscopy. The system enables to spray adhesive haemostatic polymers (AHP) in powder form efficient, safe and directly onto the wound. The particles form a protective gel matrix in a

very short time, that stops bleeding and seals lesions. In comparison to the established EndoClot® AMP® the new EndoClot® AHP adheres to the wound for a particularly long time and is resistant to acids and bases thanks to its synthetic composition.

### SPECIFIC CHARACTERISTICS

- Synthetic polymer
- Forms an adhesive gel matrix to protect the wound
- Waterproof and resistant to acids and bases
- Lasts up to several days on the wound
- Successful haemostasis also in anticoagulated patients



Direct and precise application



### VERSATILE IN USE

EndoClot® AHP can be used to stop any seeping bleedings in the upper and lower gastrointestinal tract. Even then, when conventional methods cannot be used.

- After interventions such as EMR/ESD
- For ulcer bleeding
- For significant reduction of secondary bleeding
- Post polypectomy
- Tumor bleedings
- Mallory-Weiss bleedings

### SUCCESSFUL HEMOSTASIS ACCORDING TO ESD AND EMR

EndoClot® AHP is particularly suitable for prophylaxis. After ESD, it was sprayed onto the wound. Four days after the operation, a gastroscopy was performed for diagnosis. At this point, the gel matrix still adhered to the lesion and protected it reliably. EndoClot® Adhesive should always be used after the intervention.



### PARTICLES

AHP particles are biocompatible, non-pyrogenic and synthetic. AHP particles contain no human or animal components.

- Hydrophilic – to achieve rapid hemostasis
- Gel forming & adhesive – to maintain clot integrity and reduce re-bleeding
- Long lasting – to protect the wound during recovery
- Resistance to acids and bases – for greater effectiveness in the gastrointestinal tract

### APPLICATOR

The applicator is composed of a powder/air mixing chamber, a delivery catheter and connecting tube with an air filter including integrated non-return valve which is attached to the EndoClot® Air Compressor.

- Easy to control
- Anti-reflux design to prevent occlusion
- Effective for use in hard to reach areas

### AIR COMPRESSOR

EndoClot® Air Compressor is the recommended air source for use with the EndoClot® Adhesive System.

- Two pressure settings (high and low) – to provide more control of delivery
- Small and lightweight – to allow easy placement on a nearby cart
- Optional cordless operation using rechargeable batteries (up to 7 hours)
- Low battery indicator (additional 25 minutes running time after the indicator blinks) – to maintain efficient workflow



## EASY PREPARATION AND HANDLING

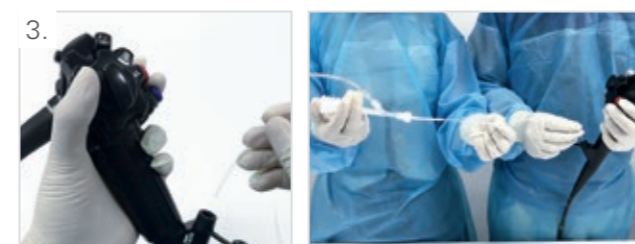
Before performing the procedure, please ensure that the air compressor for dispensing the AHP particles is switched on and ready for operation.



1. Connect the application system to the air compressor. Make sure that the air compressor is set to "H".



2. Attach the AHP particle container firmly to the end of the mixing chamber and keep it upright.



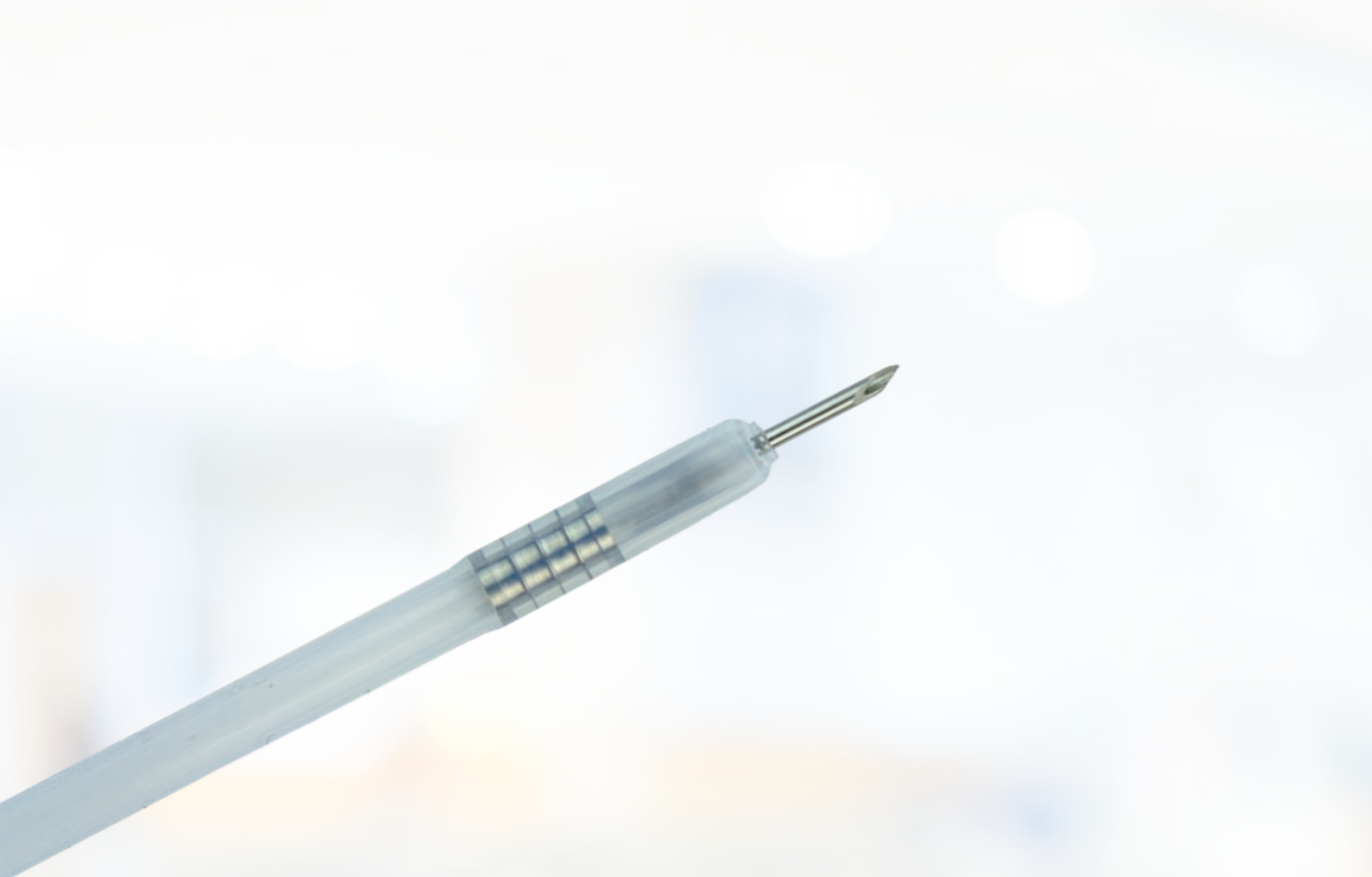
3. Insert the catheter through the working channel of the endoscope and position the catheter in the direction of the bleeding. Avoid direct contact of the catheter tip with liquids and/or mucosa. A distance of approx. 1cm to the bleeding is to be preferred.



4. Position the catheter in front of the bleeding site and tilt the particle container for application at a 45° angle. Tap gently on the container to apply the particles to the bleeding by means of the air flow. When hemostasis is achieved, turn off the air compressor and remove the catheter from the endoscope.

## SPECIFICATIONS

REF	AHP Particles	Catheter length mm	Packaging unit
<b>ENDOCLOT® ADHESIVE SET (CATHETER + PARTICLES)</b>			
ECA2303	3g	2300	1 set/PU
<b>ENDOCLOT® CATHETER</b>			
EA230	–	2300	5 pc./PU
<b>ENDOCLOT® COMPRESSOR</b>			
EPAC-2	–	–	1 pc./PU
<b>ENDOCLOT® COMPRESSOR CONNECTING TUBE</b>			
EPAC-1T	–	1550	10 pc./PU



# INJECTION NEEDLE

## RELIABLE AND SAFE TO THE TIP

The disposable MICRO-TECH's disposable injection needle facilitates clinical practice due to its ergonomic handle and especially sharp needle. The anti-skid design guarantees convenient control with just one hand. For

even more precise punctures the handle can be locked in several stages. When the needle is released, it snaps back into the catheter to avoid damage to the working channel.

### SPECIFIC CHARACTERISTICS

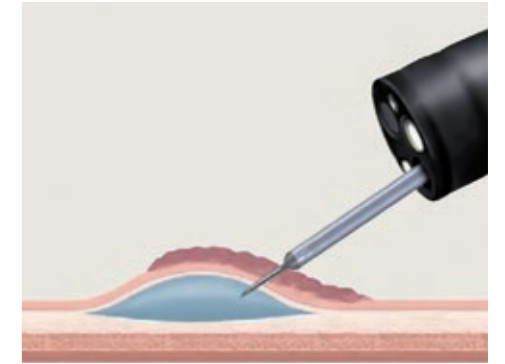
- Ergonomic anti-slip handle
- Adjustable pressure pad
- Automatic needle-feed
- Soft, atraumatic silicone head
- Needle with extremely sharp, precision cut
- Different needle diameters
- LL needle connector



### SPECIFICATIONS

REF	Needle stroke mm	Needle Ø mm	Ø mm	Length mm
<b>INJECTION NEEDLE</b>				
IN12-195232302	5	19 G = 0.9 mm	2.3	2300
IN12-225232302	5	22 G = 0.7 mm	2.3	2300
IN12-255232302	5	25 G = 0.5 mm	2.3	2300

Packaging unit: 10 pieces



# SAFETY NEEDLE SN

## PRECISION WITH A UNIQUE SAFETY CONCEPT

With the injection needles from Bauer medical, punctures become safer and more precise than ever. On one hand, it is the newly developed handle with a particularly ergonomic shape which ensures a more tactile feeling and an audible locking. On the other hand, it is the special bevel-style grinding of the needle, allowing for highly

precise punctures, even under difficult conditions. Matching the specifications of the UVV for enhanced safety, this injection needle provides even more protection: Upon completion of the application, the proximal handle can be kinked at a defined breaking point. The forced retention of the needle in the tip of the catheter helps to avoid injuries.

### SPECIFIC CHARACTERISTICS

- Handle with tactile ergonomics
- Needle with special bevel-style grinding
- Distal protector head for needle tip
- CLICK noise when inserting and retracting the needle
- Unique safety concept for non-injurious disposal
- Needle diameter of 0.5 / 0.7 / 0.9 mm



### SPECIFICATIONS

REF	Needle stroke mm	Needle Ø mm	Tube Ø mm	Length mm
<b>INJECTION NEEDLE SAFETY NEEDLE SN</b>				
SN1-I10-505-18-120	5	0.5	1.8	1200
SN1-I10-505-18-180	5	0.5	1.8	1800
SN1-I10-507-23-230	5	0.7	2.3	2300
SN1-I10-509-23-230	5	0.9	2.3	2300

Packaging unit: 10 pieces, relay prices on request



# MULTIBAND LIGATION-SYSTEM

## EASY, RELIABLE, LATEX FREE

The MICRO-TECH multiband ligating system is suitable for the effective treatment of bleedings in esophageal varices and anorectal hemorrhoids. The complete system is preloaded for 4 or 6 ligations and can be easily installed.

The silicone cap provides a clear view and a reliable suction of tissue. It is the only system also available in a latex-free variant, which significantly reduces the risk of an allergic reaction in sensitive patients.

### SPECIFIC CHARACTERISTICS

- Easy assembly and handling
- Suitable for endoscopes of 9.4 to 14.0 mm in diameter
- For minimum working channels of 2.8 mm diameter
- With flush attachment
- Preloaded for 4/6 ligations
- Ligation-design with or without latex



Silicone cap with release thread

Latex cap with release thread

### SPECIFICATIONS

REF	Soft cap Ø mm	Endoscope Ø mm	X-shooter	Thread length mm	Thread color
<b>LATEX</b>					
MBLS-6F	8.8	9.4 – 13.0	6	1450	Blue/transparent
MBLS-4F	8.8	9.4 – 13.0	4	1450	Blue/transparent
MBLS-XL-6F	9.8	11.0 – 14.0	6	1900	Blue/transparent
MBLS-XL-4F	9.8	11.0 – 14.0	4	1900	Blue/transparent
<b>LATEX FREE</b>					
MBLS-6F-NL	8.8	9.4 – 13.0	6	1450	Yellow/black
MBLS-4F-NL	8.8	9.4 – 13.0	4	1450	Yellow/black
MBLS-XL-6F-NL	9.8	11.0 – 14.0	6	1900	Yellow/black
MBLS-XL-4F-NL	9.8	11.0 – 14.0	4	1900	Yellow/black

Packaging unit: 1 piece, relay prices on request

