

Endoscopic SET

Gastrointestinal Bleedings

Gastrointestinal bleedings are one of the main indications for gastrointestinal endoscopies. Bleeding treatment is a challenge depending on the location and severity.

In conventional haemostasis, thermal procedure (argon plasma coagulations), mechanical procedure (clips, band ligatures) and also injection with epinephrin or tissue adhesives are used.

Newer procedures rely on haemostatic powders to stop bleedings. Thereby it is well known in medicine, that haemostatic devices are used in endoscopic procedures in conjunction with an applicator.

Initial studies and investigations of haemostatic powders in upper and lower gastrointestinal bleedings show promising results.

HaemoCer™ PLUS

Haemostasis occurs by rapidly accelerating the normal physiologic clotting cascade without participation of chemical or pharmaceutical ingredients. HaemoCer™ PLUS is a resorbable plant based haemostat containing no animal nor human components. It has already been used in open and laparoscopic surgery.

Fields of Applications

- Gastroenterology
 - » Gastroscopy
 - » Colonoscopy
 - » Duodenoscopy
 - » ...

HaemoCer™ Endoscopic Applicator

made in
GERMANY

Ease
of Use



Product Overview HaemoCer™ Endoscopic Set

HFS323 HaemoCer™ PLUS 3 g + Endoscopic Applicator 1 Set/Box



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Endoscopic Application
of Haemostatic Powder

BioCer

HaemoCer™ PLUS Haemostatic Powder

HaemoCer™ PLUS is a resorbable plant based haemostatic powder containing no animal nor human components. Haemostasis occurs by rapidly accelerating the normal physiologic clotting cascade without participation of chemical or pharmaceutical ingredients.

Once in contact with blood, HaemoCer™ PLUS enhances the natural clotting cascade by rapidly dehydrating the blood and accelerating the concentration of platelets, red blood cells and coagulation proteins at the bleeding site. The second mode of action of HaemoCer™ PLUS is the formation of a robust gelled matrix that adheres to the bleeding site and forms a mechanical barrier to prevent further bleeding.

Studies with both HaemoCer™ PLUS haemostatic powder and comparable competitor products have shown that the gel acts as a mechanical barrier and helps reduce postoperative adhesions.

HaemoCer™ PLUS is rapidly resorbed by amylase within a few days without leaving any residues behind, depending on the amount of used material and the place of application.

The application for endoscopic procedures is carried out with the innovative HaemoCer™ Endoscopic Applicator.

Natural

- Plant based
- Contains no animal nor human components
- Completely resorbable

Safe

- Rapid resorption minimizes risks of foreign body reactions and granuloma formation
- Reduction of homologous transfusions and blood donations

Effective

- Double enhanced absorption capacity, compact packaging reducing storage volume
- Rapid off-the-shelf deployment, no special storage, defrosting or premixing

HaemoCer™ Endoscopic Applicator

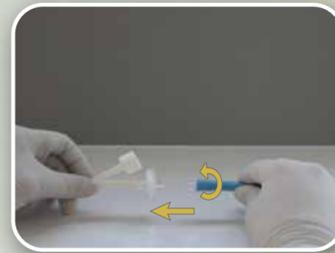
HaemoCer™ Endoscopic Applicator is used to apply HaemoCer™ PLUS for treatment of upper and lower gastrointestinal bleedings. The applicator has a tube length of 2400 mm, an outer tube diameter of 2.5 mm and a pump ball as a pneumatic source. Additionally, it has a built-in HEPA (High Efficiency Particulate Air) filter for filtering ambient air.

This applicator needs no handling devices (air compressor etc.) and enables a simple and uncomplicated use.

Ease of use, without a handling device

1

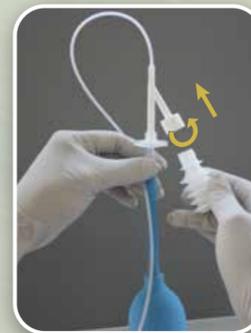
Attach the pump ball to the adapter by turning.



Insert the tube of the HaemoCer™ Endoscopic Applicator into the instrument channel of the endoscope.

2

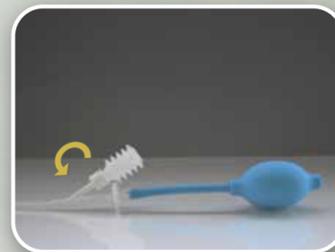
Attach the bellows bottle to the adapter. **Caution:** Keep the bottle upright when attaching, with the opening facing upwards.



Before delivering the powder, pump forcefully the pumpball several times to remove fluid from the tube.

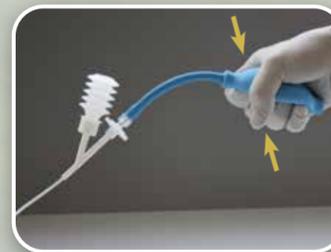
3

Turn the ready to use adapter to a horizontal position.



4

Powder application by powerful pumping.



Safe and effective haemostasis

The innovative HaemoCer™ Endoscopic Applicator enables the application of HaemoCer™ PLUS resorbable powder directly through the working channel of a standard endoscope.

The application tube is inserted through the instrument channel and positioned to the bleeding. The compressed air flow generated by the pump ball transports the powder directly to the bleeding site.

This system serves as a complementary haemostatic device to control capillary, venous and arteriolar bleedings in upper and lower gastrointestinal tract. It is especially suitable for seeping haemorrhage, but also in cases where conventional haemostasis can not be used.



application
under
endoscopical
sight

direct and
precise
application to
the bleeding
site

usable
instrument
channel:
2.8 mm and
above

