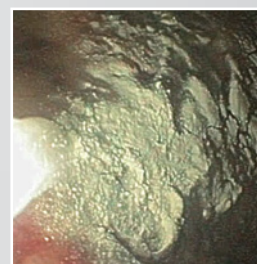


Simplifying hemostasis.



Hemospray[®]
ENDOSCOPIC HEMOSTAT

For more information on Hemospray visit:
hemospray.cookmedical.com



www.cookmedical.com

Not for sale in the USA.

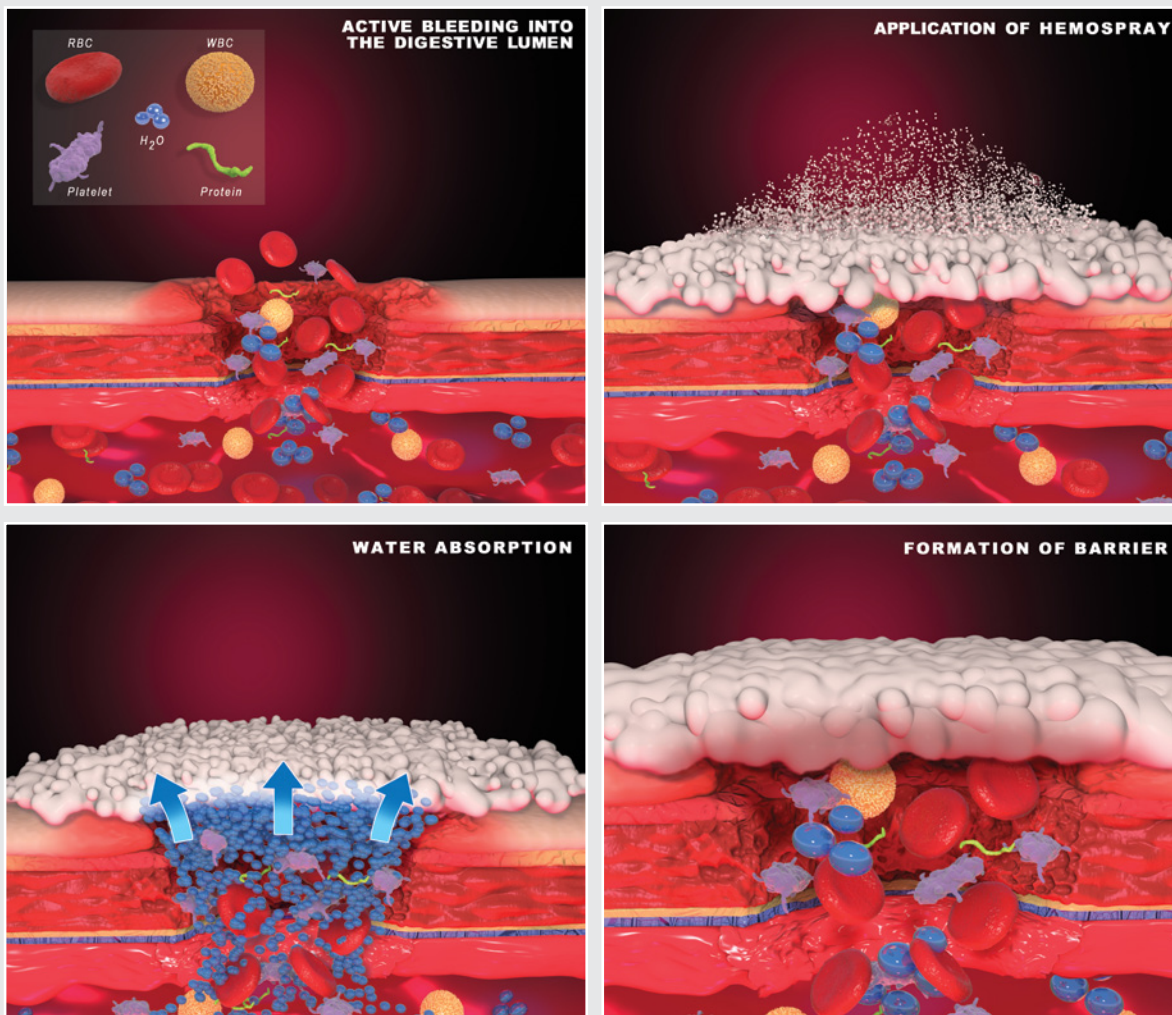
A different modality

What is Hemospray?

Hemospray is a proprietary mineral blend powder developed specifically for endoscopic Hemostasis. It contains no human or animal proteins or botanicals and has no known allergens. Hemospray is metabolically inert and deemed nontoxic, systemically or otherwise. Over the years, similar materials have been used by the military for topical battlefield hemostasis applications.

How does it work?

When Hemospray comes in contact with an actively bleeding site, the powder absorbs water, then acts both cohesively and adhesively, forming a mechanical barrier over the bleeding site.



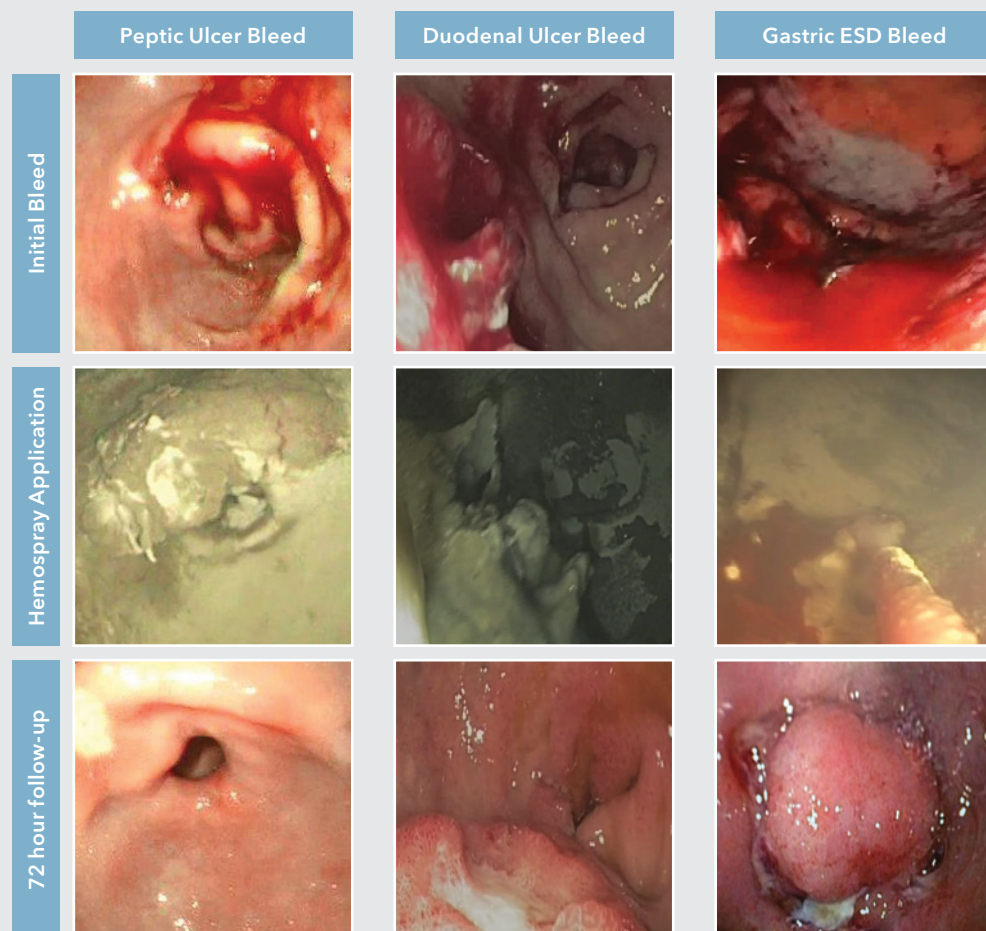
"Hemospray achieved promising results in our initial pilot study. It appears to be a safe and effective hemostatic modality for the treatment of active peptic ulcer bleeds."

Prof. Joseph Sung, Chinese University of Hong Kong, Hong Kong, China



When to use Hemospray?

Hemospray is a different endoscopic modality that has demonstrated successful results in a wide range of nonvariceal upper GI hemostasis procedures.



Hemospray has also demonstrated successful results with these additional nonvariceal bleed types:

Gastritis	Dieulafoy Lesions
Mallory Weiss Tears	GAVE/Watermelon Stomach
Esophagitis	Gastric Angiodysplasia
Neoplasms	Post EMR

Peptic ulcer bleed images courtesy of Prof. Joseph Sung, Chinese University of Hong Kong, Hong Kong, China. Duodenal ulcer bleed images courtesy of Dr. Lars Karlsen, Stavanger University Hospital, Stavanger, Norway. Gastric ESD bleed images courtesy of Dr. David Serra, Hospital da Luz, Lisbon, Portugal.

"I find this non contact hemostatic approach especially helpful when the bleeding is diffuse and the tissue fragile, such as in malignancies. I believe it is the most effective agent available today to produce immediate hemostasis."

Alan Barkun, MD, McGill University, Montreal, Canada



A different approach to hemostasis

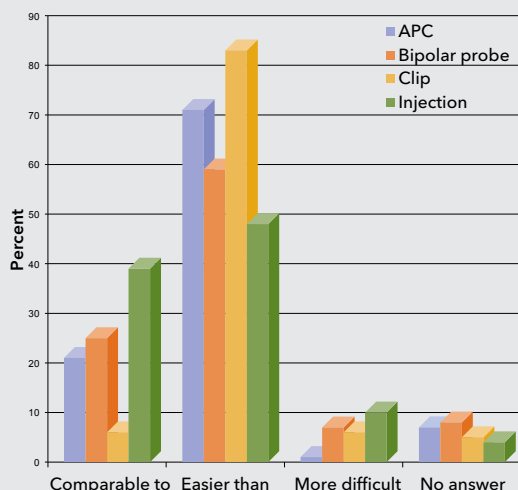
Hemospray, unlike traditional therapies, is a nonthermal, nontraumatic, noncontact modality that doesn't require the precise targeting of other endoscopic devices. That means:

- **Nonthermal:** No tissue changes occur as sometimes experienced with thermal modalities.
- **Nontraumatic:** Since no force is applied at the treatment site, the powder minimizes the risk of tissue trauma as experienced with other modalities.
- **Noncontact:** Aerosol delivery system eliminates the need for direct mechanical or contact forces with the treatment site.
- **Nonspecific targeting:** Powder is sprayed toward the source of the bleed, so it does not require the en face approach and accuracy needed for conventional modalities.

Simplifying hemostasis for you and your patient

An ease of use comparison was made for 84 patient treatments in a postmarket clinical registry and Hemospray was determined to be comparable to or easier than administration of other hemostasis treatment modalities.

Hemostasis was achieved in under 10 minutes in over 70% of cases with Hemospray. Hemospray was thought to save time in 59% of cases (57/97).



Contributors SEAL post market evaluation:

University of Manitoba, Winnipeg MT, St. Pauls Hospital, Vancouver BC, St. Michaels Hospital, Toronto ON, McGill University, Montreal QC, University Hospital Mainz, Germany, Queen Elizabeth Hospital, Birmingham, UK, Lund University Hospital, Malmö Sweden, Institute University Parc Tauli, Sabadell, Spain, Hvidovre Hospital, Copenhagen, Denmark, Hospital Cochin, Paris, France, Glasgow Royal Infirmary, Glasgow, Scotland, Erasmus Medical Center, Rotterdam, Netherlands, Ospedale San Paolo, Italy, Amsterdam Medical Center, Amsterdam Netherlands

"Hemospray is an important and novel therapy which offers an exciting new treatment option in patients at highest risk from bleeding lesions in the upper GI tract."

John Morris, MD
Glasgow Royal Infirmary, Glasgow, Scotland



Easy as One, Two, Three

In just three easy steps you can deploy Hemospray to treat nonvariceal upper GI bleeds. Simply activate the CO₂ cartridge, open the valve and spray toward the source of bleeding.



"We at the AMC are very satisfied with the initial results we have achieved with Hemospray and are excited to learn the true scope of this new technology."

Prof. Jaques Bergman
Amsterdam Medical Center, Amsterdam, The Netherlands



Hemospray Reference Articles

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*Full article pending publication Journal of Clinical Gastroenterology. E-published December 2013.

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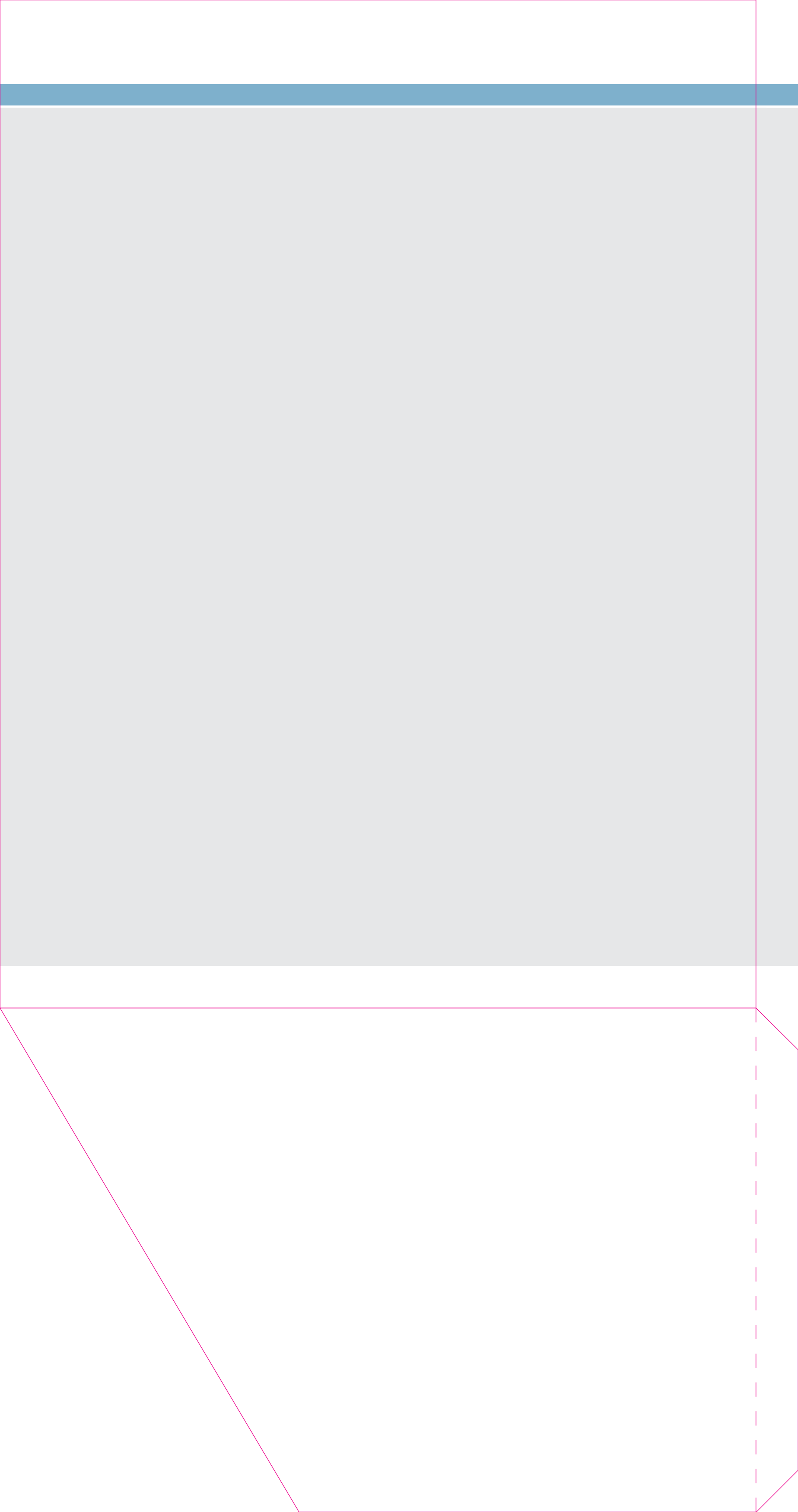
Topical hemostatic agents: a systematic review with particular emphasis on endoscopic application in GI bleeding. Moosavi S, Chen YI, Barkun AN. **Gastrointestinal Endoscopy. 2013; 77(5):692-700.**

Use of the endoscopically applied hemostatic powder TC-325 in cancer-related upper GI hemorrhage: preliminary experience. Chen YI, Barkun AN, Soulellis C, et al. **Gastrointestinal Endoscopy. 2012;75(6):1278-1281.**

"Hemospray is an easy to use device which controls GI-bleedings immediately. It is my primary choice for acute upper GI bleeding. The bleeding site can be ideally judged after initial hemospray and the need for further interventions can be clarified."

Prof. Ralf Kießlich, St. Marienkrankenhaus, Frankfurt, Germany





Product Specifications

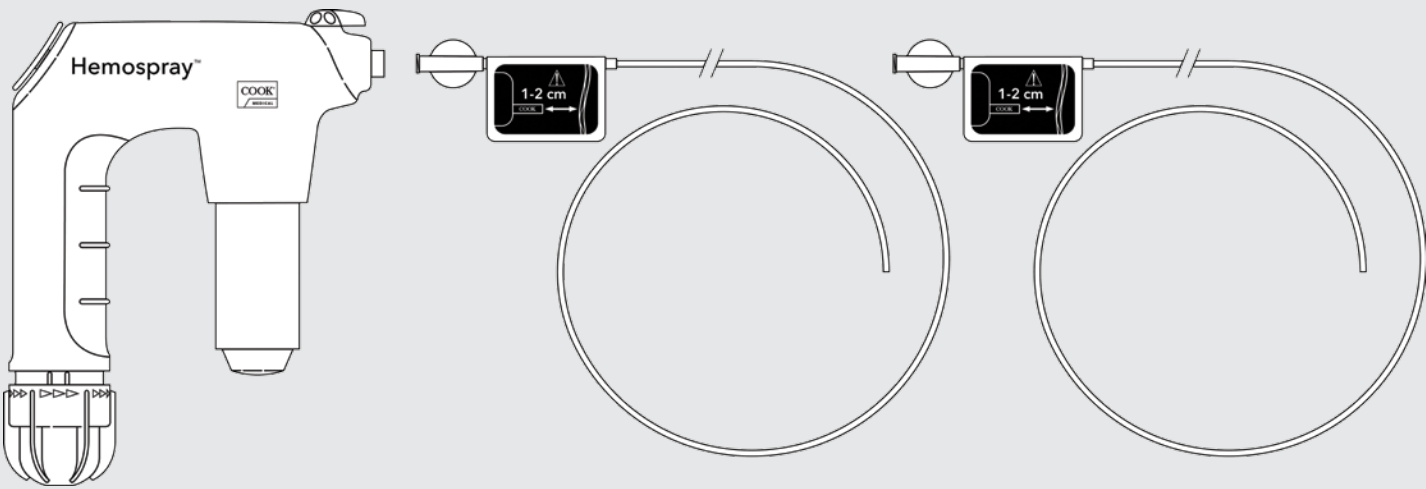
Used for hemostasis of nonvariceal upper gastrointestinal bleeding.

This device is supplied sterile and is disposable – intended for single use only.

Order Number	Reference Part Number	Catheter French Size Fr	Catheter Length cm	Minimum Accessory Channel mm
G24663	HEMO-7-EU	7	220	2.8
G21346	HEMO-10-EU	10	220	3.7

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

Device comes preassembled and each package contains an extra catheter.
No additional materials required for usage. 3-year shelf life.



Customer Service

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