

WHY ENDOCLOT PHS

+ NEW HEMOSTASIS

Hemostatic powder directly sprayed on to the bleeding site without additional mechanical stress on th wounds.

+ SAFE

No animal and human derivatives, 100% biocompatible, absorbable and degradable

+ EFFECTIVE

Effective for stop bleeding and prevent re-bleeding especially for oozing and large wounds

+ EASY TO USE

Easy to mainpuplate, after 30miutes training, doctors and nurses will know well how to use PHS

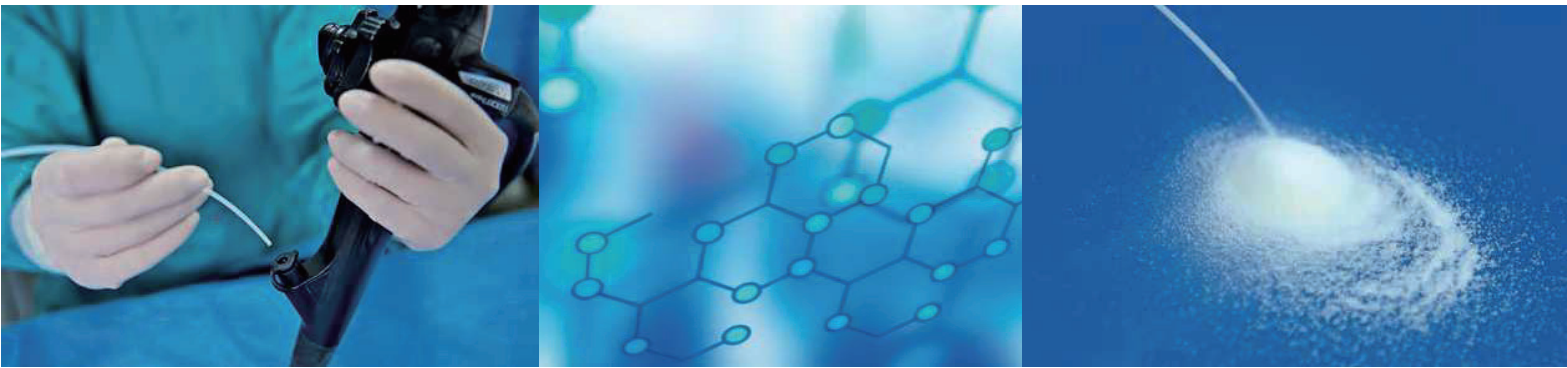
SPECIFICATIONS

+ EndoClot® PHS

Ref No.	AMP® Particles	Catheter Length	Packaging
EPK2302	2g	2300mm	1 set/box

+ EndoClot® Catheter

Ref No.	Catheter Length	Packaging
EPAA230	2300mm	5 pcs/box



NEW TOPICAL THERAPEUTIC SOLUTIONS
FOR GASTROINTESTINAL ENDOSCOPY



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Patent No. **US 8,721,582 B2** Patent No. **US 8,827,980**



ABOUT ENDOCLOT

POLYMER SOLUTION FOR HEMOSTASIS

AMP® particles have a molecular structure that rapidly absorbs water from blood, causing a high concentration of platelets, red blood cells and coagulation proteins at the bleeding site which accelerates the physiologic clotting cascade. The interaction of AMP® particles with blood rapidly produces a gelled matrix that adheres to and seals the bleeding tissue. AMP® particles are readily dissolved by saline irrigation and are degraded rapidly by human enzymes.

AMP® particles have been widely used in open surgery and proved to be safe and effective in achieving hemostasis.

- + Efficacy
- + Safety
- + Ease of Use

ENDOCLOT® POLYSACCARIDE HEMOSTATIC SYSTEM (ENDOCLOT® PHS)

EndoClot® PHS consists of Absorbable Modified Polymers (AMP®) and a powder delivery system. It is intended for use as an adjunct hemostat to control bleeding from capillary, venous or arteriolar vessels in the upper and lower GIT.



POWDER

AMP® particles are biocompatible, non-pyrogenic and starch derived. AMP® particles contain no human or animal components.

- + Adhesive
- + Ultra hydrophilic
- + Fast degradation



APPLICATOR

The applicator is composed of a powder/gas mixing chamber, a delivery catheter and connecting tube with a gas filter to external gas source.

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



AIR SOURCE

EndoClot® Air Compressor is the recommended gas source for the powder delivery system.

- H (Anti-reflux gear):
Air Pressure at 18 ± 3 kPa
- L (Powder spraying gear):
Air Pressure at 12 ± 3 kPa

HEMOSTATIC SOLUTION IN UPPER AND LOWER GIT TO CONTRIL BLEEDINGS

EndoClot® PHS is safe and effective for controlling bleeding in GIT.

It works particularly well for large and oozing wounds. Additionally, it allows endoscopists to control bleeding when conventional hemostatic techniques are impractical to apply. EndoClot™ PHS can be used to prevent re-bleeding after endoscopic, invasive surgery.

| Indications for use |

- + Peptic ulcer bleeding
- + Bleeding from minimally invasive surgery
 - + Biopsy
 - + Polypectomy
 - + EMR
 - + ESD

APPLICATION TECHNIQUES

- + Remove excess blood
- + Spray a liberal amount of AMP® particles on the wound site
- + Hold the dispenser and gas/powder chamber in an upright position to avoid spillage when inserting catheter into endoscope
- + Avoid direct contact of catheter tip with any fluid to prevent blockage
- + Avoid folding catheter
- + Apply quickly, deflation is required when EndoClot™ PHS is used in GIT for over more than one minute



- 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