

# ankaferd BLOODSTOPPER<sup>®</sup>

HEMOSTATIC AGENT



## What is Ankaferd Blood Stopper<sup>®</sup>(ABS)?

ABS is a novel hemostatic agent for the “difficult-to-manage” subtypes of GI bleedings. It can serve as an adjuvant and/or primary agent for complicated area.

ABS is a standardized mixture of the plants. It does not contain human blood derivatives, animal tissue, chemical products and alcohol. 100% herbal.

Urtica dioica



Vitis vinifera



Glycyrrhiza glabra



Alpinia officinarum

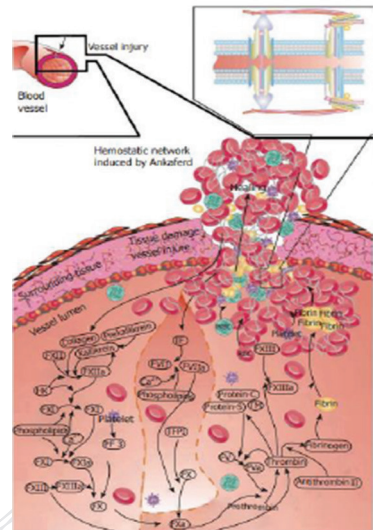


Thymus vulgaris



## Unique Working Mechanism

Ankaferd Blood Stopper<sup>®</sup> (ABS)-induced formation of the unique protein network within the vital erythroid aggregation covers the entire physiological hemostatic process. Red blood cell (RBC) elements (such as spectrin and ankrin surface receptors, and internal ferrochelataze enzyme), related transcription factors (such as GATA-1) and RBC-related proteins (such as urotensin) are the main targets of ABS. Those proteins and the required adenosine triphosphate bioenergy are included in the protein library of Ankaferd.



## Why Ankaferd ?



### Fast & Strong

ABS reveals a very fast (<1second) protein network in the bleeding area.



### Effective for Patients

It is effective in patients with primary and/or secondary hemostasis.



### Antimicrobial

It is antimicrobial and antifungal. It destroys the microorganisms in and around the application area.



### Wound Healing

ABS application results in a clean wound healing that is as strong as the primary repair.



### Herbal Formula

It does not contain inorganic / synthetic additives and alcohol. It is hypoallergenic.



### Ready to Use

It does not require a cold chain, it can be easily stored and is easy to carry.

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**BLOODSTOPPER**<sup>®</sup>  
Hemostatic Agent



**ABSORBABLE WET TAMPON**

- 0.5 ml (1cm x 2.5 cm) / 1 box x 1 unit
- 1 ml (2cm x 2.5 cm) / 1 box x 1 unit
- 2.5 ml (2.5 cm x 5 cm) / 1 box x 1 unit
- 5 ml (5 cm x 5 cm) / 1 box x 1 unit
- 10 ml (5 cm x 10 cm) / 1 box x 1 unit

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**WET TAMPON**

- 3 ml (2,5 cm x 7 cm) / 1 box x 12 unit
- 5 ml (5 cm x 5 cm) / 1 box x 12 unit
- 10 ml (5cm x 7.5 cm) / 1 box x 12 unit
- 100 ml (20 cm x 20 cm) / 1 box x 12 unit



**PUSH & STOP**

- 2 ml (15 cm x 15 cm) / 1 box x 6 unit
- 3,5 ml (18cm x 22 cm) / 1 box x 6 unit

## Frequently Ask Questions

### **What is Ankaferd Blood Stopper® (ABS)?**

Ankaferd Blood Stopper® (ABS) is a stable and sterile medicinal product of standard herbal content which serves as a hemostasis regulator and displays fast hemostatic effect when applied to control minor or major hemorrhages due to exterior wounds, traumatic cuts, dental operations, spontaneous or surgical procedures

### **How does it work?**

The basic mechanism of action for ABS appears to be the formation of an encapsulated protein network that provides focal points for erythrocyte aggregation. Rather than affecting an individual clotting factor, this protein mesh affects the entire physiological hemostatic process that controls bleeding.

### **What are the anticipated advantages over other therapies?**

Due to its liquid form, it provides clear camera view, Controls even “difficult to manage” situations. It has 100 % herbal formula without any adverse effect and if second look is required after the first endoscopy ABS does not prevent interventions unlike the powder forms. Provides wound healing and shows antimicrobial effect.

### **Is there any situation where Ankaferd Blood Stopper ® (ABS) should not be used ?**

There are no situations where it should not be used.

### **Why brownish color occurs after the usage ?**

There is high iron content of ABS. Iron ion can play a significant role in the ABS-induced cellular hemostasis located in the crossroads of RBC–fibrinogen interactions which can cause brownish color on the applied area.

### **Is Ankaferd Blood Stopper ® (ABS) effective on anticoagulated patients?**

The network formed by Ankaferd Blood Stopper® (ABS) affects the entire physiological hemostasis process without specifically affecting any coagulating factor. Therefore, ABS is effective both in individuals with normal hemostasis parameters and in patients with primary and/or secondary hemostasis insufficiency, including disseminated intravascular coagulation.

### **Does the product need to be removed after use?**

Absorbable Wet Tampon does not require removal, however Wet Tampon and Push & Stop need to be removed after use.

### **Is there a wound healing effect of Ankaferd Blood Stopper?**

Ankaferd Blood Stopper® (ABS) supports wound healing by promoting neovascularization, which helps rapid wound healing. The effect of ABS in providing mechanical strength as strong as primary repair can be attributed to increased fibroblast activity.

### **How can I tell when enough Ankaferd Blood Stopper has been deployed and hemostasis is achieved?**

Continue applying Ankaferd Blood Stopper® (ABS) until the bleeding site is completely covered liquid and no active bleeding is visualized.

### **Is there a limit to the amount of Ankaferd Blood Stopper that can be applied?**

No, there is no dosage limit.

### **Are there any special storage requirements for this device?**

Similar to current devices, store in a dry location, away from temperature extremes.

### **Are there any postprocedural recommendations when using Ankaferd Blood Stopper?**

Follow normal pre- and postprocedural standards of care.

### **Has there been evidence of embolization?**

Ankaferd Blood Stopper® (ABS) is not intended for intramuscular and intravenous use. It must be applied topically and does not cause embolization.

### **What data/publications are currently available for Ankaferd Blood Stopper?**

There are 263 publications available on PubMed.

## Usage Areas of Ankarferd Blood Stopper

### GENERAL SURGERY

- All gastrointestinal (esophagus, stomach, liver, gallbladder, pancreas, small bowel, colon, appendix) operations
- All endoscopic and colonoscopic procedures
- Thyroid surgeries
- Breast surgery
- Circumcision
- Hernia operations
- Hemorrhoidectomy

### GASTROENTEROLOGY

- Upper and lower gastrointestinal system (GIS) bleeding control
- All endoscopic and colonoscopic procedures

### GYNAECOLOGY & OBSTETRICS

- Atony bleeding
- Caesarean section
- Hysterectomy
- Endometriosis and other gynecological mass surgeries
- Oncological surgeries and pelvic floor surgery

### EMERGENCY USE

- Thoracic injuries
- Extremity injuries
- Bleeding control in trauma patients using Heparin, Aspirin, Warfarin
- Bleeding control in patients with bleeding- coagulation disorders
- Challenging and uncontrollable bleeding

### THORACIC SURGERY

- Thoracic injuries
- Pulmonary lobectomy-wedge resections
- Mediastinal mass-tumor surgeries and all other mediastinal operations

### UROLOGY

- Scrotal orchiopexy, varicocele and all scrotal surgeries (mass, tumor, etc.)
- Open and closed prostate surgeries
- Bladder operations

### PULMONOLOGY

- Bronchoscopy

### CARDIOVASCULAR SURGERY

- All open and closed heart operations
- Coronary bypass surgery
- Heart valve surgeries
- Major vessel surgeries (aneurysm, dissection)
- Varicose and peripheral artery surgeries

### ENT (OTOLARYNGOLOGY)

- All head and neck surgery operations (neck dissection, tumor-mass removal)
- All intraoral surgeries and tonsillectomy
- Rhinoplasty
- Epistaxis

### ORTHOPEDICS AND TRAUMATOLOGY

- All orthopedic trauma, arthroplasty and revision surgeries
- Spinal surgery
- Hand-foot surgery and orthopedic oncology surgeries

### DENTAL USAGE AREAS

- Complicated or normal tooth extraction operations
- Bleeding during and after implantation procedures
- Cyst operations
- Control of bleeding during deterrage, curettage, gingivectomy, gingivoplasty procedures
- All other intraoral dental operations
- In order to accelerate healing in patients with systematic diseases in which wound healing is thought to be delayed,
- Intraoral operations in patients using Heparin, Aspirin, Warfarin
- Diabetes, Hemophilia, Von Willebrand etc. Intraoral operations of bleeding diathesis patients

### NEPHROLOGY

- Arterial and vein bleeding due to dialysis

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For Healthcare Professional Only

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