

A close-up photograph of a veterinarian in blue scrubs smiling warmly at a husky dog. The dog is looking back at the vet with its mouth open and tongue out, appearing happy. The background is softly blurred, showing the vet's hands and a stethoscope.

HemaBlock[®]
STOP the bleed

TOTAL BLEEDING CONTROL

HemaBlock Hemostatic Powder is specifically designed to control bleeding during internal and external procedures including dentals.

- Clots created by HemaBlock can be enclosed in the wound and they are absorbed within a few days
- Ready to use in a wide variety of **STERILE** procedures*
- Remaining unused powder can be applied in any **NON-STERILE** procedures (Dentals and Topical applications)
- More Reliable than sponges, cubes or gauzes
- Does not irritate or leave dark stains.

*Avoid use in the eyes. Safe for enucleations





FEATURES

The STERILE ready to use HemaBlock is easy, safe and effective to use routinely to control bleeding during all types of sterile internal surgery*:

HemaBlock is effective and safe for routine use anywhere to control bleeding during internal surgery like biopsies (liver, spleen, pancreas, etc.), spays and neuters, lobectomies, mass removals, amputations, orthopedic surgeries, eye enucleations and even neurosurgery like hemilaminectomies.

Left over powder can be used in NON-STERILE areas anywhere bleeders or seepage are present:

HemaBlock is also effective and safe for routine use to control bleeding during dental/periodontal procedures, seepage along suture line, dewclaws, tail docks, de-claw, nail trims, injuries or anywhere else aiding hemorrhage control would be a benefit.

HemaBlock is 100% plant origin:

The active ingredients in HemaBlock are Microporous Polysaccharide Beads (MPB) derived from potato starch particles combined with Oxidized Cellulose (OC) micro-fibers derived from cotton. With HemaBlock being of 100% plant origin reduces the possibility of adverse reaction that could occur with other hemostatic products of animal origin.

HemaBlock's mode of action:

The MPB in HemaBlock act as a molecular sieve to rapidly dehydrate blood and concentrate clotting protein, red blood cells and platelets to promote almost instantaneous gel formation, which accelerates the natural clotting cascade. The OC micro-fibers combined with the MPB enhances rapid hemostasis, clot strength and ease of use.

HemaBlock has neutral pH:

At neutral pH HemaBlock can be used to control bleeding in areas during internal surgery that could be sensitive to low pH. Also at neutral pH HemaBlock will not deactivate thrombin, the body's natural clotting capability.

The clot created by HemaBlock is safe to leave inside the body:

The MPB/OC matrix quickly degrades by endogenous amylase and pyrase, leaving no residual to act as a nidus for infection or adhesion formation, virtually eliminating any chance of granulomas. Total absorption of the clot will occur within just a few days while enclosed in the wound.

***Avoid use in the eyes. Safe for enucleations**

**Hemablock powder is ready to use.
Requires no advance preparation and no special storage.**

R.A.P.I.D. APPLICATION PROCEDURE

For successful control of bleeding with HemaBlock hemostatic powder the HemaBlock 5-Step R.A.P.I.D. Application Procedure must be followed.



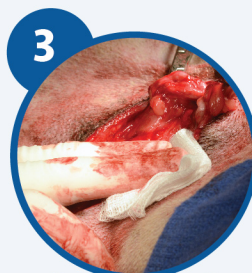
Remove

excess blood



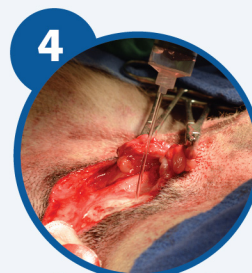
Apply

powder liberally



Pressure

on wound site for
1 to 2 minutes



Irrigate

to visualize
hemostasis



Delivered

hemostasis

- 1 Remove** all excess blood to easily visualize bleeders. Ample HemaBlock Hemostatic powder must be applied exactly where the blood is escaping from the bleeders.
- 2 Apply** immediately ample amount of the HemaBlock Hemostatic powder directly on the bleeding area. Be sure liberal amount of powder is applied.
- 3 Pressure** should be immediately applied for at least 1 to 2 minutes. Use of non-adhering substrate to apply steady pressure prevents the possibility of adhesion of the formed clot to the surgical glove or other instrumentation. Enough steady pressure should be applied to stop the blood flow from the bleeders for at least 1 to 2 minutes. Take care to slowly remove the steady pressure to minimize the chance of disrupting the clot as it forms.
- 4 Irrigate** the wound site with saline to carefully remove any excess HemaBlock powder to see if any bleeders have been missed and to deactivate any excess dry powder not entrained in the clot. If any bleeders have been missed, reapply ample amount of HemaBlock Hemostatic powder on to the missed area and then again immediately apply enough steady Pressure to stop the flow of blood for 1 to 2 minutes.
- 5 Delivered** hemostasis. The clot has formed and the bleeding has stopped. One advantage with HemaBlock once the clot has formed it will not swell when in contact with body fluids. The clot will immediately start being absorbed in the enclosed wound with complete absorption in just a few days.

ADDITIONAL INFORMATION

Applying HemaBlock to control bleeding in difficult areas:

To control bleeding in difficult areas like in biopsy sites insert the tip of the sterile applicator into the base of the site where bleeders are located. Apply continuous pressure on the plunger while exiting the wound.

HemaBlock is a sterile powder:

Both presentations of the ready to use HemaBlock have been sterilized by irradiation and have been validated as Sterile to ASTM standard. To maintain a sterile field, open the outer packaging while placing the immediate sterile packaging on to the operating tray. No advance preparations required. Use any unused powder for non-sterile applications like dental, topical wound care, nail trims, etc.!

Indications:

HemaBlock Hemostatic Powder is a hemostatic device that controls capillary, venous, and arteriolar bleeding on companion animal, horses and exotic species.

HemaBlock is safe:

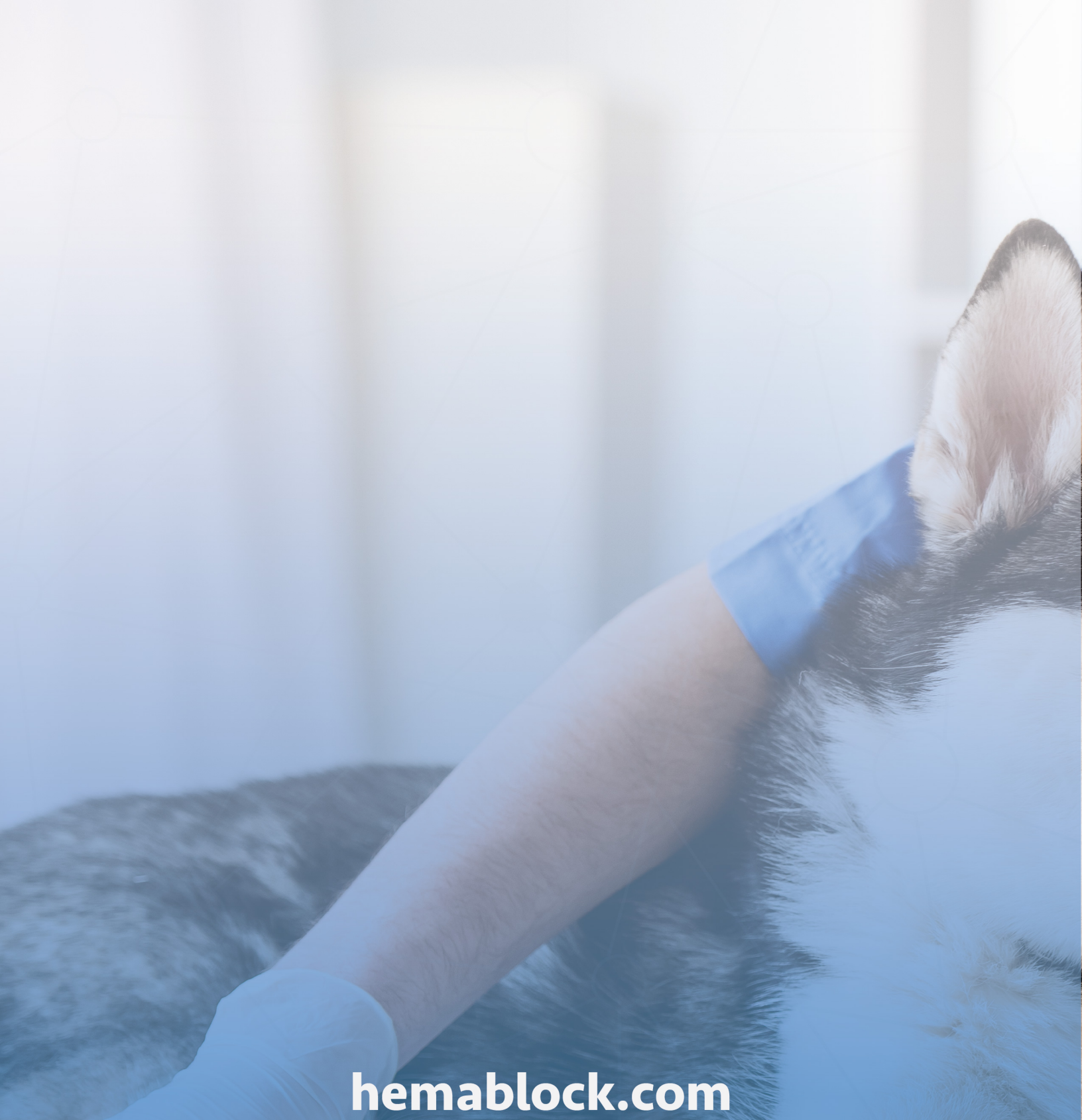
The MPB technology is the primary component in HemaBlock Hemostatic powder. MPB has been thoroughly researched, tested and used as a hemostatic agent in human surgery for over a decade and has been used in over 2,000,000 human applications. There are over 50 published abstracts on safety and efficacy for the Microsporous Polysaccharide Beads.†

Recommendations for first time users:

- A liberal application is recommended to overwhelm the bleeding and cover the wound surface. The HemaBlock Hemostatic powder must be placed directly where the blood is exiting the bleeders. It is best to err on the side of using more powder than you think you might need and refine your technique over time.
- Continuous steady pressure for at least one to two minutes is always recommended. No peeking while applying pressure. Sometimes more than two minutes are needed depending on the severity of the bleeding. Dabbing at a clot is a natural tendency, but can disrupt or dislodge the clot that is being formed. Patience is the key.
- Some cases may require more than one application. Don't hesitate to wash the wound with saline solution (or water for dentals) in order to visualize any incidence of bleeding that might have been missed in the fringe areas of the wound site. Reapply powder when needed and immediately reapply steady pressure.
- It's not magic, technique is often needed as in the case for nose bleeds and nail trims. Using a foam swab to assist the application is often a good way to hold the powder in place on an irregular surface or when working in an awkward orientation.

Practitioners could experience difficulty in pressing plunger of applicator to remove HemaBlock Powder:

- This could result during the manufacturing process where the powder became overly compressed in the applicator. When this occurs, just pull back on the plunger and tap on the side of the applicator to loosen the powder. The applicator should now operate correctly using the HemaBlock 5-Step R.A.P.I.D. Application Procedure.
- The other occasion where this might occur is when continuous even pressure on the plunger was not applied during the application of the HemaBlock powder causing blood and/or body fluids to cover the exit end of the applicator. This resulted in HemaBlock powder creating a clot at the exit opening of the applicator. HemaBlock is doing what it was supposed to do. This can be prevented by applying continuous gradual pressure to keep the powder flowing while applying and exiting the bleeding area of the wound during the HemaBlock 5-Step R.A.P.I.D. Application Procedure.



hemablock.com

VBI

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