SiOxVet
Wound Matrix

Description:

The SiOxVet™ Wound Matrix is a non-pyrogenic, sterile, single use device intended for use in local management of bleeding wounds. The SiOxVet™ Wound Matrix is a soft, white, conformable, non-woven, absorbent, biocompatible fiber matrix made from synthetic biomaterials.

When applied, the matrix conforms to the wound bed and defect space, providing a porous, absorbent structure that supports fluid uptake. Its architecture is structurally similar to collagen, a key component of the native extracellular matrix, and provides a scaffold that supports cellular infiltration and vascularization. The matrix also supports fibrin deposition and clot stabilization, forming a provisional matrix at the wound site. SiOxVet™ Wound Matrix helps maintain a moist wound environment to support the body's natural healing process.

Only light pressure without mechanical compression or secondary bandaging is required for proper device function. Rinse with saline and reapply SiOxVet™ every 6-12 hours.

Indications for Use:

The SiOxVet™ Wound Matrix is intended for use in management of wounds. Wound types include: Partial and full-thickness wounds, pressure ulcers, venous ulcers, diabetic ulcers, chronic vascular ulcers, tunneled/undermined wounds, surgical wounds (donor sites/grafts, post-Moh's surgery, post laser surgery, podiatric, wound dehiscence), trauma wounds (abrasions, lacerations, first degree and partial thickness burns, skin tears) and draining wounds.

SiOxVet Wound Matrix may be used as a topical dressing for local management of bleeding wounds such as cuts, lacerations, and abrasions. It may be used for temporary treatment of severely bleeding wounds such as surgical wounds (operative, postoperative, dermatological, etc.) and traumatic injuries.

Contraindications:
None known.

Warnings and Precautions:

- Do not use SiOxVet™ Wound Matrix if packaging is damaged or broken prior to use.
- Do not use SiOxVet™ Wound Matrix for a total of more than 30 days.
- Do not use SiOxVet™ Wound Matrix in patients with demonstrated hypersensitivity to silicon dioxide (SiO_2) fibers.
- SiOxVet™ Wound Matrix is supplied sterile. The internal protective plastic container, if used, is not a sterile barrier. This packaging will serve as an effective barrier against contamination until the printed expiration date.
- SiOxVet™ Wound Matrix is single use only. It should not be re-packaged or resterilized. Re-packaging or resterilization may result in damage to the device, device failure, reduced biocompatibility, and complications such as infection. Unused portions of the SiOxVet™ Wound Matrix should be discarded.
- SiOxVet™ Wound Matrix may adhere to the wound bed after prolonged exposure. Removal of adhered material may result in re-injury of the wound bed.
- The device is not designed to be held in place with compression bandages or tapes. Only light pressure without mechanical compression or secondary bandaging is required for proper device function.
- If signs of infection occur, consult a veterinary provider immediately.

Storage:
Store at room temperature in a dry location. Avoid excessive heat or humidity. Refrigeration of SiOxVet™ Wound Matrix is not necessary.

Instructions for Use:
These recommendations are designed to serve only as a general guideline. They are not intended to supersede institutional protocols or professional clinical judgement concerning patient care.

FOR BLEEDING

1. Verify the expiration date on the package labels prior to using the product. Remove hemostatic matrix from packaging.
2. Apply matrix directly to the source of the bleeding and use it to apply manual compression directly over the bleeding source. The matrix may be packed in the wound tract of penetrating injuries. More than one matrix may be required.
3. Continue to apply manual pressure for five minutes, or until bleeding is controlled.
4. Within 24 hours of application and after hemostasis has been achieved, gently remove the matrix. If the matrix is difficult to remove, hydrate with sterile saline. At the end of the procedure, thoroughly irrigate the wound to remove excess material. Do not manually remove residual fibers adhered to the wound bed if removal will cause re-bleeding. Residual fibers will slough off naturally during normal wound healing.

FOR WOUND CARE

Preparation:

1. Prepare the wound using standard methods to ensure it is free of debris and necrotic tissue. If necessary, surgically debride the wound to ensure it contains viable tissue. Controlled bleeding from the wound is acceptable.

Application:

1. Apply SiOxVet™ Wound Matrix directly to the wound by gently pressing the matrix onto the wound surface.
2. Ensure full and even contact with the wound bed.
3. Do not apply a secondary bandage on top of SIOxD Wound Matrix unless required. Leave the treated wound uncovered as much as possible to allow airflow.
4. If dressing is required, use only breathable materials that allow moisture vapor transmission. Avoid occlusive dressings.

Reapplication:

1. Every 6-12 hours, rinse the wound with sterile saline or clean water to remove accumulated exudate.
2. Do not surgically debride the wound during reapplication of SiOxVet™. Allow the rinsing process to gently remove exudate and debris.
3. After rinsing, apply new SiOxVet™ Wound Matrix using the method described above.
4. Repeat the reapplication process at 6–12-hour intervals until the wound is dry, nonexudative or wound closure is achieved.
5. This process should be continued or modified based on clinical evaluation by a qualified veterinary professional.

Symbols Glossary:

℞ ONLY	Caution: Federal (U.S.A.) law restricts this device to sale by or on the order of a licensed healthcare practitioner.
REF	Catalog number
STERILE R	Sterilization Using Gamma Irradiation
	Single Use
	Single-Sterile Barrier with Protective Packaging
LATEX	No Latex in Product
	Do not use if packaging is damaged
	Refer to Instructions for Use
	Non-Pyrogenic

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