

ReCruit™ Topical

POWDERED EXTRACELLULAR MATRIX



SPECIES	Canine
BREED	Maltese-Poodle Mix
AGE	11 years
SEX	Male
INJURY	Dog bite wound
TREATMENT	4 total applications of ReCruit Topical Powder
RESULTS	Complete wound closure (scabbing) with hair regrowth 29 days after initial application

CLINICAL EVALUATION

Gizmo's case study

The product was applied to what type of wound?

Gizmo was attacked by another dog on 7/3/19. After receiving initial treatment, such as IV fluids and antibiotics, at an emergency clinic for bite wounds in the cervical region, including those resulting in esophageal exposure, Gizmo was presented to his primary veterinarian on 7/6/19.

How was the wound prepared?

Beginning on 7/6/19, Gizmo received 2 additional days of antibiotics, as well as wound cleaning and dressing changes. The necrotic tissue and drain were removed on day 1, just prior to the first ReCruit application.

How was the product applied?

A light dusting was applied. The wound was then bandaged with a non-stick bandage at 7-day intervals.

Were bandage changes needed?

Yes, 4 bandage changes were needed during the 4-week treatment period.

How many applications of the product were needed?

4 applications of ReCruit were required.

Did the patient experience any complications due to the product?

No complications were experienced. Dr. Steele appreciated the ability to leave the treatment in place for an extended period (7 days, per IFU).

How did the product perform?

"The product performed great. Wound healing was much quicker than anticipated." (Dr. Steele) The check-up on day 29 resulted in a bright, alert, and responsive Gizmo. "Gizmo is happy and acts great!" said Dr. Steele.



DAY 1

1st ReCruit application and bandage



DAY 8

2nd ReCruit application and bandage



DAY 15

3rd ReCruit application and bandage

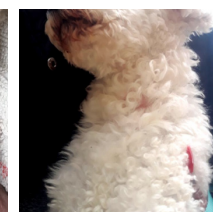


DAY 29

Final Reveal
(7 days after 4th application)



Before



After

To read other clinical evaluations visit:

CookAnimalHealth.com/ReCruit

COOK[®] ReCruit™ Topical

ANIMAL HEALTH POWDERED EXTRACELLULAR MATRIX

Order Number	Reference Part Number	Powder weight	Quantity
G57456	VET-PWD-T-1G	1 gram per bottle	1 bottle or 1 box of 6 bottles

Ordering information

To establish an account with Cook Animal Health visit our website (cookanimalhealth.com), click on **Create Customer Account** and follow the instructions. The text boxes are interactive, so you can either fill out page 2 and then print it, or print the page as is and write in the information.

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ReCruit™ Topical

POWDERED EXTRACELLULAR MATRIX (ECM)



DESCRIPTION

ReCruit Topical is an advanced wound care device composed of powdered porcine collagen. ECM material is obtained from porcine small intestine in a manner that removes all cells, but leaves the naturally fibrous and porous matrix. The careful processing leaves intact the complex ECM, which provides a scaffold for cellular invasion, capillary ingrowth and maintains and supports a healing environment for wound management. ReCruit Topical is provided sterile in bottles and is intended for one-time use.

INTENDED USE

ReCruit Topical is indicated for veterinary use in the management of wounds, including: partial and full-thickness wounds, pressure ulcers, chronic ulcers, tunneled, undermined wounds, surgical wounds (donor sites/grfts, post-Mohr's surgery, post-laser surgery, distal limb/foot, wound dehiscence), trauma wounds (abrasions, lacerations, second-degree burns, and skin tears) and draining wounds.

This product is intended for veterinary use only. This product is not intended for human use. This product is intended for companion animals only. This product is not for use in food producing animals.

CONTRAINDICATIONS

This device is derived from a porcine source and should not be used in patients with known sensitivity to porcine material.

PRECAUTIONS

- This device has not been evaluated for use in third degree burns.
- This product is designed for single use only. Attempts to re-process, resterilize and/or reuse may lead to product failure and/or transmission of disease.
- Product is sterile if the pouch is dry, unopened and undamaged. Do not use if the pouch seal is broken.
- The product must be used prior to the expiration date.
- Discard product if mishandling has caused possible damage or contamination.
- The product should not be applied until excessive exudate, bleeding, acute swelling and infection is controlled.

NOTE: For severe wounds or uncontrollable bleeding, consult a licensed veterinarian immediately.

POTENTIAL COMPLICATIONS

The following complications are possible in the management of wounds.

- Infection
 - Chronic inflammation (initial application of product may be associated with transient, mild, localized inflammation.)
 - Allergic reaction
 - Excessive redness, pain, swelling or blistering
- If any of these conditions occur, consider discontinuing use of the product and consult a licensed veterinarian.**

STORAGE

This product should be stored in a clean, dry location at room temperature.

STERILIZATION

This product is provided sterile using ethylene oxide.

INSTRUCTIONS FOR USE

Note: Always handle product using aseptic technique.

- Required Materials:
- Sterile saline
 - Wound dressing

Wound Preparation

1. Clean wound area to ensure wound is free of debris and dead or decaying tissue. Ensure wound has a grainy surface texture and wound edges contain viable tissue.
2. Flush wound to remove excessive exudate and control bleeding.
3. Rinse wound with sterile saline.

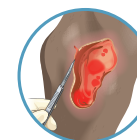
Product Preparation

1. Remove bottle and dispensing cap from pouch.
2. Remove seal from bottle neck and attach the dispensing cap.
3. Remove red spout tip and trim spout with scissors to achieve desired opening for dispensing product.
4. Replace red spout tip until ready to use.

Product Application

1. Apply product to wound surface by dispensing from the bottle to lightly cover the entire wound.
2. If necessary, gently wet the application area with sterile saline to ensure the product adheres to the wound.

How to apply ReCruit™ Topical



STEP ONE

Ensure the wound is free of debris and dead or decaying tissue. Irrigate excessive exudate and control the bleeding. Rinse the wound with sterile saline.



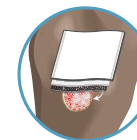
STEP TWO

Trim the spout of the ReCruit Topical bottle with scissors.



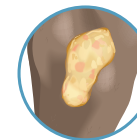
STEP THREE

Lightly cover the entire wound surface with the ReCruit Topical powder. If needed, gently wet the application area with sterile saline to help the product adhere.



STEP FOUR

Apply a non-stick secondary wound dressing over the product. Apply any additional dressing, as needed, to manage wound exudate. Only change the dressing when necessary, typically every seven days. Avoid dislodging the product when you change the secondary dressing.



STEP FIVE

Reapply as necessary. The product can be reapplied every seven days by repeating the previous application steps.

As the healing occurs, the powder may darken in color and form a caramel-colored gel. This gel is normal. **Do not remove it.**

3. Apply an appropriate non-stick secondary wound dressing over the product.
4. If appropriate, apply a bandage system, total contact cast or other appropriate dressing that will manage the wound exudate. Note: Keep the product and wound bed moist.

Dressing Changes

1. To prevent damage to the newly incorporating product, only change the secondary dressing as necessary, typically every 7 days.
2. Take care to avoid disturbing the wound when the secondary dressing is changed.

Reapplication of Product

Note: If a gel forms on the wound surface, do not attempt to forcibly remove it. Successful integration of ECM may result in formation of a caramel-colored or off-white gel. Do not remove this gel by debridement. This caramelization contains ECM, which will continue to supplement the wound as it heals.

1. Carefully remove any remaining loose powder around the wound edges as needed.
2. Gently cleanse the wound surface with sterile saline; leave the ECM gel intact.
3. If the wound is free of infection and debris but not fully epithelialized, reapply the product to unhealed area (see section "Product Application").

The product can be reapplied every 7 days as needed by repeating the product preparation and application steps.

