

Polyester net, fixed-weave stocking-like maggot confinement dressing, for use with Medical Maggots™

Description -

The LeSoc™ polyester fixed-weave stocking-like maggot confinement dressing is intended to confine medicinal maggots to the wounded area where they were applied, even though the anatomy may be 3-dimensionally challenging: toes, feet, ankles, legs, stumps, etc. Flat fabric nets, like Creature Comforts™ work well at confining maggots to a simple wound on a planar surface; but such a dressing can not easily be applied to 3-dimensionally complicated surfaces. LeSoc™ can be used where nylon stockings might otherwise be used. Nylon Stockings are NOT fixed-weave, however, so the fibers slide back and forth. This provides nylon stockings with an excellent fit and look; but allows the smaller maggots to escape through the stretchable holes. LeSoc™ fixed-weave dressings were created to prevent such escapes.

Mechanisms of Action -

The polyester mesh (pore size: 160u) prevents the escape of medicinal maggots.

[See *Medical Maggots™ package insert* for discussion of the maggots' mechanisms of action]

Clinical Indications -

LeSoc™ is to be used to confine medicinal maggots on the wound bed, or at least on the affected limb. For indications for using medicinal maggots, please refer to their labeling. *Medical Maggots™* brand of medicinal maggots are indicated for debriding non-healing necrotic skin and soft tissue wounds, including pressure ulcers, venous stasis ulcers, neuropathic foot ulcers, and non-healing traumatic or post surgical -wounds.

Storage & Handling -

LeSoc™ by Monarch Labs may be stored at room temperature (60-80°F) until the posted expiration date.

Warnings -

- Do not use in patients allergic to polyester.
- Do not use if packaging or product appears damaged.
- Do not apply in a manner or location that might constrict blood flow, for this dressing does not stretch.
- Remember always to familiarize yourself with all instructions and package labeling before using this or any other medical device. Call Monarch Labs immediately if you have any questions or concerns about the use or quality of this item.
- Do not use with povidone iodine or other skin irritants.
- See also *Warnings and Contraindications for Medical Maggots™* or whatever brand of medicinal maggots you are using.
- *Medical Maggots™* should not be able to escape through the weave of LeSoc™, if it remains intact. However, they can still escape through tunnels and crevices or loosened margins where the materials contact each other or the skin. Be sure to create solid, sturdy bonds.

Instructions for Use -

Remember always to familiarize yourself with all instructions and package labeling before using this or any other medical device. Remember always to wash hands before handling patients or patient care items.

LeSoc™ is sterile if packaging is unopened and undamaged. However, it is not necessary to handle this item with sterile gloves. Follow institutional guidelines regarding "sterile" vs "clean" wound dressing care. Always put on gloves if you are likely to touch wound or infected area.

Dressing Application. Gently wash out of the wound any residual medications, secretions or debris. Clean the peri-wound skin with an appropriate skin cleaner, at least as large an area as this dressing will cover. Then protect the peri-wound skin from wound drainage during treatments with a polyurethane or similar skin protectant. **Do not use povidone iodine or other potential skin irritants. Do not apply in a manner or location that might constrict blood flow, for this dressing does not stretch. If the limb or area of concern is likely to swell during treatment, use a stretchable dressing instead of this dressing.**

LeSoc™ maggot confinement dressings are used to create a cage around the maggots. They may be affixed directly to the skin with tape or adhesive; but it is less traumatic to the skin if these stockings are affixed to a strip of hydrocolloid placed proximally

(+/- distally) to the wound, as referenced in: *Arch Dermatol* 1996;132: 254-256. Set down the 1-2 cm wide strip of hydrocolloid and paint with a liquid adhesive before applying the maggots to the wound. After the maggots are in place (by which time the adhesive should be quite tacky), slide on LeSoc™ dressing. Cut off the sealed bottom if you wish to use it as a cylinder rather than as a blind pouch. Then apply the upper edge (+/- lower edge) of the dressing to the stip(s) of hydrocolloid, carefully pleating all around in order to remove wrinkles. Apply tape over the edge of the dressing to ensure that it is secure. Framing the dressing with a transparent semi-permeable dressing is another option. Remember: transparent "semi-permeable" dressings are not permeable enough to provide air to the maggots. Do **not** cover the central mesh area with transparent membrane dressings or any other dressing besides a breathable loose absorbent gauze-like dressing because the maggots may suffocate.

Finally, cover the dressing loosely with a breathable absorbent pad (i.e., two ply of cotton gauze). Change the top absorbent pad 4 - 8 hours and whenever it becomes soiled. If it is not wet after 8 hours, the wound and maggots may be too dry. Moisten the wound through the mesh with a little sterile irrigation fluid (water or saline). Leave the LeSoc™ dressing in place for approximately 48 hours.

Dressing removal. To remove the maggot confinement dressings with minimal effort, cut or peel back the maggot dressing while wiping up the maggots with a wet 4" x 4" gauze pad held in the other hand, sandwiching the maggots between the two gloved hands. Consider placing a liner or garbage bag underneath, to catch escaping larvae. Discard the maggots and dressings as you do your other potentially infectious dressing waste (ie, discard in "red bag" securely sealed to prevent escape. Double-bag the sealed bag within another sealed bag for added security).

Duration of maggot therapy. The total number of treatment cycles will depend upon the size and character of the wound, clinical response, and goals of therapy). Most ulcers are completely debrided within 1 to 5 cycles. Do not re-use LeSoc™ maggot confinement dressings because the seal will not be as strong with repeated use.

Disposal -

After use, handle and discard the maggots and maggot dressings as you do your other potentially infectious dressing waste (ie, discard in "red bag" securely sealed to prevent escape. Double-bag the sealed bag within another sealed bag for added security).

- See also *Disposal for Medical Maggots™* or whatever brand of medicinal maggots you are using.

Overdosage -

Guerrini (1988) demonstrated that blow fly strike in sheep resulted when very large maggot burdens (> 16,000 maggots per animal) infested the sheep. In these cases, serum ammonia levels were found to be elevated (presumably due to the large protein breakdown in the wound), and the animals became encephalopathic. Neither elevated serum ammonia levels nor hepatic encephalopathy have ever been reported in humans; but they should be sought in patients who develop fevers or altered mental states while receiving maggot therapy.

How supplied -

LeSoc™ confinement dressings are produced in a variety of sizes (i.e., Finger-sized: Length: 1.25" [3 cm]; Flat width: 1" [2.5 cm]; Fist-sized: Length: 6" [15 cm]; Flat width: 4" [10 cm]; Hand-sized: Length: 8" [20 cm]; Flat width: 6" [15 cm]; Anterior foot-sized: Length: 12" [30 cm]; Flat width: 8" [20 cm]; Boot-sized: Length: 18" [45 cm]; Flat width: 12" [30 cm]; Boot/Leg-sized: Length: 24" [60 cm]; Flat width: 18" [45 cm]), individually wrapped and sterilized. Check package wrapper for size and sterility validation markings. Batch numbers include the date of sterilization (YYYY-MM-DD).

Restrictions and Disclaimers -

No warranty is made or implied regarding the therapeutic benefit of maggot therapy for any specific patient. LeSoc™ maggot dressings are not appropriate for all wounds nor all locations. Call Monarch Labs if you have any questions or concerns about the use or quality of this item.

Inquiries and Orders -

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