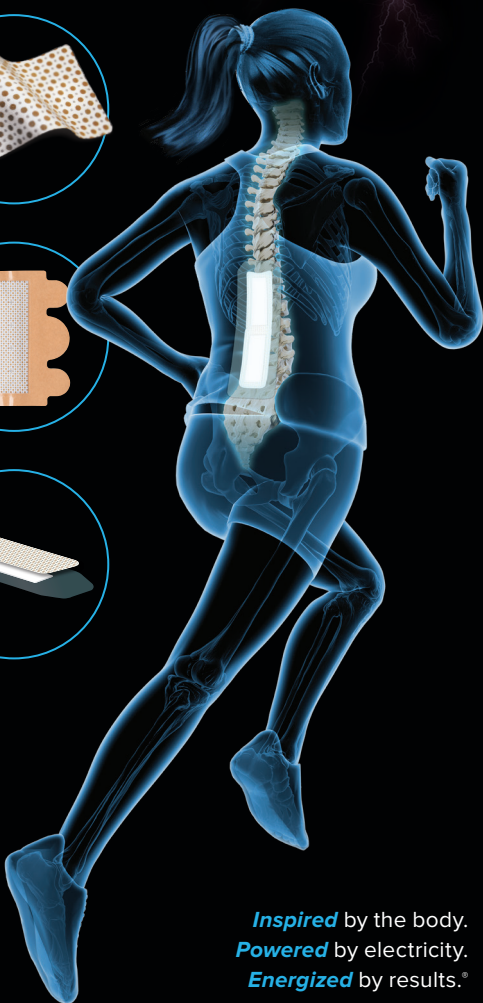
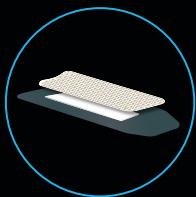
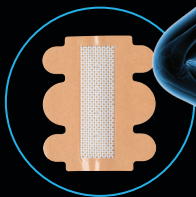
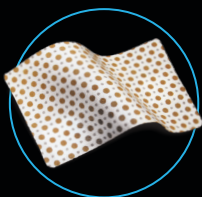


JumpStart[®] Antibacterial Wound Dressings

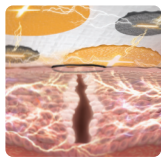
Patient Guide



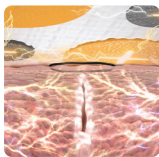
Inspired by the body.
Powered by electricity.
Energized by results.[®]

Arthrex[®]

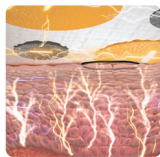
Powered by Electricity



Electricity is essential to wound healing. Skin has natural electric fields that create energy, called transepithelial potential (TEP).



When skin is cut or wounded, a change in this electric potential occurs. This leads your skin to begin cell migration and re-epithelialization, which are key components of healing.⁹



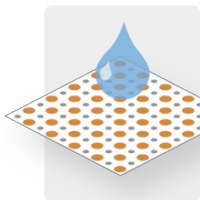
JumpStart[®] antibacterial wound dressings are embedded with microcell batteries that, when moistened, wirelessly generate an electric field that mimics the skin's.

Dressing Application

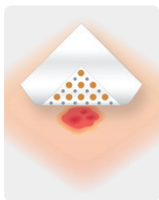
Pre-application Steps (all dressing types)

1. Cleanse wound area with an appropriate wound cleanser; your doctor can advise on what to use.
2. Moisten the dotted JumpStart pad with water or a thin, even layer of hydrogel (not included). Apply immediately after moistening by following the application instructions.

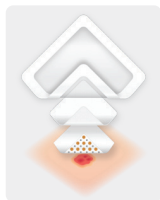
Single Layer Dressing Application



- 1**
- Moisten dotted side of dressing with water or water-based hydrogel.



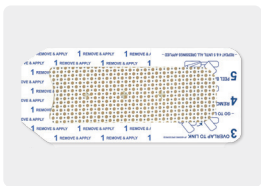
- 2**
- Apply, dots down, onto wound surface.



- 3**
- Cover with secondary dressing(s) appropriate for drainage levels.

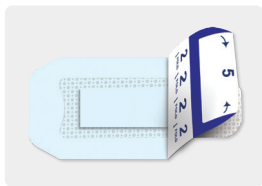
JumpStart® FlexEFit™ Dressing Application

The unique design of JumpStart FlexEFit dressing means that multiple dressings can be linked together to build one that can fit almost any incision, no matter the length and curve.



1

Remove #1 liners and apply, pressing gently to ensure direct contact of JumpStart pad with the wound bed.



2

Fold back #2 panel.

| **Note:** Do not remove liner.



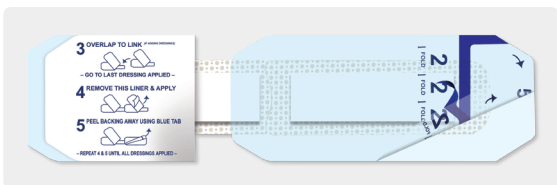
3

If additional JumpStart FlexEFit dressings are needed, repeat steps 1 and 2 to add one dressing at a time until the wound incision is covered. Then go to the last dressing applied.



4

Remove instructional liner and place dressing on skin. Gently press and rub adhesive to firmly adhere.



5

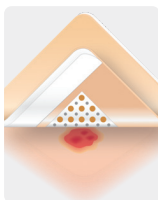
Pull either blue tab toward the other to remove backing. Repeat steps 4 and 5 to complete application of each dressing. Continue repeating these steps until all dressings are applied.

Composite Dressing Application



1

Remove center liner and moisten dotted pad with water or water-based hydrogel.



2

Apply, dots down, onto wound surface.

Note: If dressing a joint, apply while joint is slightly flexed.

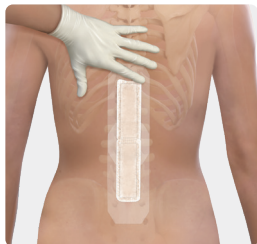


3

Remove remaining liners and smooth adhesive down over skin.

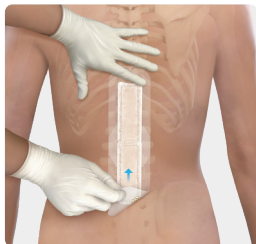
Removing JumpStart® FlexEFit Dressing

If your physician instructs you to remove your dressing, please follow these guidelines:



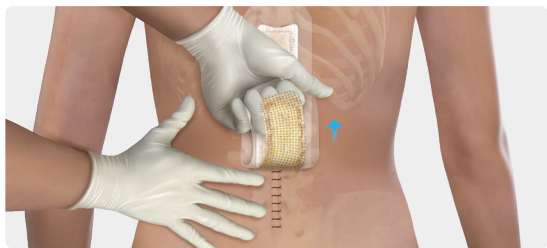
1

Use one hand to support and stabilize the skin.



2

With the other hand, lift one corner of the bandage.



3

Gently pull back, keeping bandage and dressing low and parallel to the skin.

Note: If the dressing adheres to the wound surface, do not force it off. Moisten or soak the dressing with sterile saline or water until it can be removed without tissue disruption.

Surgical Incisions

Surgical incisions and wounds require proper care to avoid infections, which can complicate the healing process, cause added pain and suffering, and add to health care costs. JumpStart® antibacterial wound dressings are a revolutionary line of products for postoperative wound care designed to mimic the skin's natural electric field, which may reduce the risk of infection while supporting the body's natural healing process.¹⁻⁴

Why Is Infection Prevention So Important?

Surgical site infections occur in 1% to 2% of all patients worldwide who undergo inpatient surgery⁵⁻⁷

50%
of surgical site infections are preventable^{5-6,8}

Why Use JumpStart Dressing?

- › JumpStart antibacterial wound dressings kill a broad spectrum of harmful pathogens that can cause these infections, including multidrug-resistant² and biofilm-forming bacteria¹⁻³
- › Supports the body's natural healing process

Designed For All Patients

- › Wide array of shapes and sizes to fit various incision sites
- › Easily conforms to joint contours
- › Stays in place and moves with you, even during range-of-motion exercises
- › Water resistant and up to 7-day wear time (or as instructed by your physician)

References

1. Banerjee J, Das Ghatak P, Roy S, et al. Silver-zinc redox-coupled electrochemical wound dressing disrupts bacterial biofilm. *PLoS One*. 2015;10(3):e0119531. doi:10.1371/journal.pone.0119531 2. Kim H, Makin I, Skiba J. Antibacterial efficacy testing of a bioelectric wound dressing against clinical wound pathogens. *Open Microbiol J*. 2014;8:15-21. doi:10.2174/1874285801408010015 3. Kim H, Izadjoo MJ. Antibiofilm efficacy evaluation of a bioelectric dressing in mono-and multi-species biofilms. *J Wound Care*. 2015;24(Suppl 2):S10-4. doi:10.12968/jowc.2015.24.Sup2.S10 4. Banerjee J, Das Ghatak P, Roy S, et al. Improvement of human keratinocyte migration by a redox active bioelectric dressing. *PLoS One*. 2014;9(3):e89239. doi:10.1371/journal.pone.0089239 5. Keely Boyle K, Rachala S, Nodzo SR. Centers for Disease Control and Prevention 2017 guidelines for prevention of surgical site infections: review and relevant recommendations. *Curr Rev Musculoskelet Med*. 2018;11(3):357-369. doi:10.1007/s12178-018-9498-8 6. WHO global guidelines for the prevention of surgical site infection. World Health Organization. Accessed February 22, 2023. <https://www.who.int/publications/i/item/global-guidelines-for-the-prevention-of-surgical-site-infection-2nd-ed> 7. Klevens RM, Edwards JR, Richards CL Jr, et al. Estimating health care-associated infections and deaths in U.S. hospitals, 2002. *Public Health Rep*. 2007;122(2):160-166. doi:10.1177/003335490712200205 8. Surveillance of surgical site infections in Europe 2010-2011. European Centre for Disease Prevention and Control. Accessed February 22, 2023. <https://www.ecdc.europa.eu/en/publications-data/surveillance-surgical-site-infections-europe-2010-2011> 9. Zhao M. Electrical fields in wound healing-an overriding signal that directs cell migration. *Semin Cell Dev Biol*. 2009;20(6):674-682. doi:10.1016/j.semdb.2008.12.015

Indications

JumpStart® antibacterial wound dressing is intended for the management of wounds to provide a moist wound environment and is indicated for partial and full-thickness wounds such as pressure ulcers, venous ulcers, diabetic ulcers, first- and second-degree burns, surgical incisions, donor and recipient graft sites, etc.

Contraindications

Do not use on individuals with sensitivity or allergy to silver or zinc.

Warnings

Frequent or prolonged use of this product may result, in rare occasions, in temporary discoloration of the skin.

Precautions

Caution: United States federal law restricts this device to sale by or on the order of a physician. Single use only. Electron beam irradiation sterilized. Opening the dressing pack compromises the sterile barrier. Do not use if the pouch is open or damaged prior to use. Remove JumpStart® dressing prior to a MRI or HBOT procedure and apply a new dressing after the procedure. For external use only. Do not apply JumpStart dressing in conjunction with topical agents such as antimicrobial ointments, enzymatic debriders, antibiotic creams or ointments, silver- or zinc-containing creams, oxidizing agents, or petroleum-based products. Secondary dressings should be used as stated in their Instructions for Use. The patient should stop using the dressing and consult a physician if allergy, irritation, increased pain, maceration, or any irregular skin discoloration occurs. JumpStart dressing is not intended to be used on wounds with uncontrolled bleeding. Remove JumpStart dressing during energy-based procedures (such as radiofrequencies, ultrasound, or radiation) where the dressing may interfere with delivery. Avoid direct dressing contact with electrodes or conductive gels during electronic measurements (eg, EEG or ECG). JumpStart dressing may be used on infected wounds being clinically managed, as an adjunct to the local clinical protocol. The safety of daily JumpStart dressing use for longer than 28 days has not been studied.

The information contained in this brochure is not medical advice and is not meant to be a substitute for the advice provided by a surgeon or other qualified medical professional on the use of these products. You should talk with your physician or health care provider for more information about your health condition and whether Arthrex products might be appropriate for you. The surgeon who performs any surgical procedure is responsible for determining and using the appropriate techniques for surgical procedures on each individual patient. Arthrex recommends that surgeons be trained on the use of any particular product before using it in surgery. A surgeon must always rely on their own professional medical judgment when deciding whether to use a particular product when treating a particular patient. A surgeon must always refer to the package insert, product label, and/or directions for use before using any Arthrex product. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes. Products may not be available in all markets because product availability is subject to the regulatory approvals and medical practices in individual markets. Please contact Arthrex if you have questions about the availability of products in your area.

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