

Clinical Guidance

for the Innovative Therapies Wound Treatment Systems



CAUTION: This guidance is not intended as a guarantee of results, outcome, or performance of the SVED® or Svedman® Wound Treatment System. These recommendations are intended to help clinicians establish patient-specific treatment protocols. As with any application, please consult the patient's treating physician about individual conditions and treatment, and follow all applicable instructions for use and labeling for product use and operation.

Always consult sections of this guidance along with the applicable instructions for use, labeling, and safety information for the SVED or Svedman Wound Treatment System before placing the SVED or Svedman System on a patient.

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1. Introduction

1.1 The Innovative Therapies Inc. (ITI) Wound Treatment Systems

The Innovative Therapies Inc (ITI) Wound Treatment Systems promote wound healing by removing infectious materials, exudate, and components associated with chronic wound fluid. Our proprietary negative pressure wound therapy (NPWT) system delivers negative pressure and simultaneous irrigation using patented foam dressings and accessories. The SVED or Svedman Wound Treatment System is suitable for acute care, long-term care, nursing home or home care settings, and is eligible for reimbursement under most coverage policies, Medicare, and state mandates.



Figure 1a. The SVED Wound Treatment System



Figure 1b. The Svedman Wound Treatment System

1.2 Device components

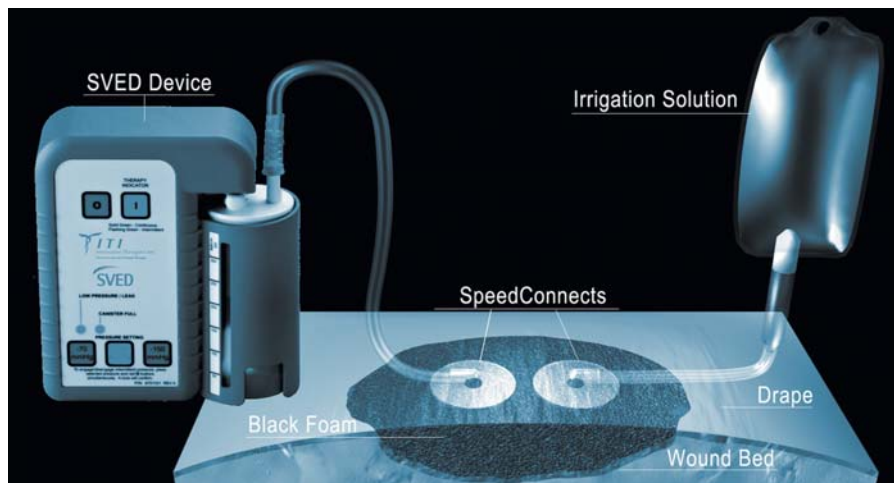


Figure 2. A schematic diagram of a SVED Wound Treatment System setup.

- **The SVED® or Svedman® device:** The SVED or Svedman is the only system on the market that delivers NPWT with simultaneous irrigation—providing aqueous solutions to the wound without tube changes or therapy interruption. A single touch selects pressure settings (-70 mmHg, -120 mmHg, or -150 mmHg), pressure mode (continuous or intermittent pressure), and a safety lockout. The SVED weighs less than 2 lbs and comes with a carrying case for patient mobility. The Svedman weighs 5.5 lbs. The SVED or Svedman maintains selected pressure at canister outlet within +/- 10% of target pressure. Intermittent pressure is on 5 minutes, off 2 minutes. The “off” interval maintains a -25 mmHg pressure. This minimal vacuum preserves drape seal and prevents exudate backflow.
- **ITI Black Foam Dressing:** This hydrophobic, open-cell, reticulated polyurethane foam evenly distributes negative pressure across the wound base and allows for exudate removal. Available in four sizes, ITI Black Foam Dressing has high tensile strength and exhibits minimal fraying when cut. Applied directly to the wound bed and to loosely fill undermined areas, black foam can be layered or thinned as needed.
- **ITI White Foam Dressing:** This soft, hydrophilic, open-cell polyurethane foam protects bone, tendon, ligaments, and painful wound beds. Flexible wet or dry, ITI White Foam Dressing can be cut or rolled. Its combination of tensile strength and pliable construction makes it appropriate for use in tunnels. White foam is applied in a single layer when used in the wound bed. Black foam may be used on top of the white foam.
- **ITI Polyurethane Drape:** This clear, semi-occlusive polyurethane film with adhesive covers the wound after it has been filled with foam. The drape seals the negative pressure environment while protecting the wound from contamination. ITI SensiSkin™ Drape is also available for patients with friable skin.
- **ITI Suction Tubing with SpeedConnect™:** This 2.4 m (8 ft) tube with an adhesive connector end adheres around a hole cut in the drape, delivering negative pressure to the wound. The distal end directly connects to the SVED or Svedman canister, removing exudate. This tube is often called the “SpeedConnect”.

- **ITI Irrigation Tubing with SpeedConnect™:** This custom 2.4 m (8 ft) tube is applied to the drape with the same technique as the Suction SpeedConnect. It delivers aqueous fluids—removed, along with exudate, by the Suction SpeedConnect. The distal end's Luer lock connector accommodates a wide range of commercial tubings. This tube is often called the Irrigation SpeedConnect. It can be used with the ITI Irrigation Flow Regulator.
- **SVED Canister:** Available in 300 cc and 500 cc volumes, the SVED canister collects exudate and irrigation solution. Its built-in filter prevents overflows. Both sizes are available with a gel pack to solidify fluid. The 300 cc canister is also available without a gel pack. The SVED monitors canister volume. Audible and visual alarms occur when the canister is 90% full. While the alarms continue, the SVED will stop operating when the canister is 100% full. The filter size and structure provide a dual barrier against fluids and microorganisms entering the SVED device.
- **Svedman Canister:** Available in 1200 cc volume, the Svedman canister collects exudate and irrigation solution. Its built-in filter prevents overflows. It is available with and without a gel pack to solidify fluid. The Svedman monitors canister volume. Audible and visual alarms occur when the canister is 90% full. While the alarms continue, the Svedman will stop operating when the canister is 100% full. The filter size and structure provide a dual barrier against fluids and microorganisms entering the Svedman.
- **ITI Bridging Set:** This bridging foam has larger pores and lower density than standard black foam—to keep cells open and fluid moving. When a bridging technique is employed, do **not** allow bridging foam to come in contact with the wound bed.
- **ITI Y-Connector:** Joins two ITI Suction Tubing with SpeedConnects to a single SVED or Svedman canister. Use when employing a single SVED or Svedman for large wounds or two wounds.

2. Patient Selection

2.1 Indications

The SVED or Svedman Wound Treatment System is indicated for patients who would benefit from vacuum-assisted drainage and controlled delivery of topical wound treatment solutions and suspensions over the wound bed.

The system comprises a dressing and a powered suction pump that is designed to help promote wound healing. The system is intended for use on patients who would benefit from a suction device—including patients who would benefit from vacuum assisted drainage and removal of infectious materials or other fluids from wounds under the influence of continuous and/or intermittent suction pressure.

The SVED and Svedman Wound Treatment Systems are intended for patients with:

- Chronic, acute, traumatic, subacute, and dehisced wounds.
- Diabetic ulcers and pressure ulcers.
- Flaps and grafts.

2.2 Contraindications

The SVED and Svedman Wound Treatment Systems are contraindicated for patients with:

- Malignancy in the wound.
- Untreated osteomyelitis.
- Non-enteric or unexplored fistulas.
- Necrotic tissue with eschar present.
- Infants or other patients with low fluid volume.

DO NOT place the ITI Dressing over exposed blood vessels or organs.

DO NOT use if irrigation fluid temperature could cause an adverse reaction, such as a change in the patient's core body temperature. It is **not** recommended to deliver fluids to the thoracic cavity.

The ITI Dressings are also contraindicated for hydrogen peroxide and solutions which are alcohol- based or contain alcohol.

2.3 Precautions

NPWT precautions

- Use with extreme caution for:
 - Patients with active bleeding, difficult wound hemostasis, or who are on anticoagulants.
 - Weakened, irradiated, or sutured blood vessels or organs.
 - Wounds with enteric fistula.
 - Unstable thoracic wounds.
 - Deep sternal wounds with unstable sternum.
- **DO NOT** place a dressing over exposed blood vessels or organs.
- When placing a dressing in close proximity to blood vessels, tendons, nerves, or organs, ensure that they are adequately protected with overlying fascia, tissue, or other protective barriers.
- Bone fragments or sharp edges could puncture a dressing barrier, vessel, or organ
- The SVED or Svedman Wound Treatment System does not require sterile canisters. Each individually packaged SVED canister is aseptic (free of pathogenic microorganisms). Keep in mind that protocol requires SVED or Svedman canisters to remain outside the sterile field.

2.4 Stopping or suspending therapy

Circumstance	Action	Notes
Suspected or confirmed wound infection	Discontinue device and dressing, evaluate, and treat the infection	Therapy can resume when infection is resolving.
Patient reports excessive pain	Consider the following interventions, as appropriate: <ul style="list-style-type: none"> • Decrease pressure • Prior to dressing, irrigate with saline or topical anesthetic • Cover wound base with white foam, topped with black foam 	Check for exposed nerves. If exposed nerves are found, discontinue the device and dressing.
Hyperbaric oxygen (HBO) therapy session	<p>NEVER allow a negative pressure wound therapy (NPWT) device—whether on or off—inside a hyperbaric oxygen (HBO) chamber. Device must be disconnected prior to placement in the HBO.</p> <ul style="list-style-type: none"> • If HBO therapy will exceed 2 hours—dressing must be removed. Apply moist saline gauze dressing in its place. • If HBO therapy is less than 2 hours—consult HBO chamber manufacturer with respect to the presence of a dressing during therapy. • If dressings are allowed, ITI recommends: <ul style="list-style-type: none"> ◦ Discontinue therapy. Disconnect the tubing from the canister. ◦ Secure the tubing in a manner that is comfortable to the patient. ◦ If there is concern about electrostatic discharge due to the synthetic materials of the dressing, cover the tubing and dressing with a towel moistened with normal saline—this will prevent electrostatic charge accumulation. • Reconnect and restart the ITI device ONLY after the patient has been removed from the chamber. 	Small electrical arcs associated with a NPWT device and dressing components could be a fire hazard.
MRI scan	NEVER allow a NPWT device—whether on or off—inside an MRI suite. The foam dressing can remain in place, clamped. When the patient has exited the MRI suite, restart the SVED or Svedman.	
X-ray scan, CT scan	The dressing can be left in place and the SVED or Svedman can continue to operate.	ITI black foam and white foam are not radiopaque.
Undebrided eschar or slough covering more than 25% of the total wound base	Delay placing the device until wound is debrided.	<ul style="list-style-type: none"> • Excessive slough can clog foam pores, decreasing therapy effectiveness • Continuous irrigation assists in removing slough from the wound base • Use of enzymatic debridement ointments may clog foam pores and impact the distribution of negative pressure across the wound base
Cardioversion (defibrillation)	If the dressing is in the area where equipment or pads are to be placed, remove it. If dressing is left in place, clamp and remove suction tubing from the canister. In either instance, remove the SVED or Svedman from the patient area.	
Patient shower or tub bath	<ol style="list-style-type: none"> 1. Clamp the tubing. 2. Disconnect the tubing from the canister. 3. Remove the SVED or Svedman from the bathing area. 	The SVED or Svedman is designed to not cause an electrical shock when in contact in water. However, these steps are a necessary precaution.
Autonomic dysreflexia related to spinal cord injury	If a patient experiences autonomic dysreflexia (sudden elevation in blood pressure or heart rate in response to stimulation of the sympathetic nervous system) discontinue use of the SVED or Svedman.	Discontinuing use of the SVED or Svedman Wound Treatment System helps minimize sensory stimulation.

Table 1. Stopping or suspending therapy

3. Procedure Outline

Specific application of the SVED or Svedman Wound Treatment System varies with each patient and wound. All wounds require close monitoring between dressing changes. An ITI clinical representative can provide assistance with specific clinical questions.

- 1) Become familiar with the *SVED or Svedman User's Manuals* and these clinical guides.
- 2) Develop a comprehensive, individual plan of care—including the SVED or Svedman Wound Treatment System, along with nutritional support, tissue load management, skin protection, and patient education.
- 3) Obtain prescription / order.
- 4) Prepare the wound bed.
- 5) Apply dressing components.
- 6) Begin treatment with the SVED or Svedman, selecting therapy options conforming to the individual plan of care.
- 7) Educate the patient on use of the SVED or Svedman.
- 8) Document all subsequent dressing changes and wound status. Be careful to list the number of foam pieces placed in, and removed from, the wound.

Wounds should progress steadily under the SVED or Svedman Wound Treatment System use. If the wound is not progressing after two weeks of therapy, reevaluate treatment options.

3.1 Comprehensive plan of care

A comprehensive evaluation of both patient and wound is essential to determine whether NPWT with irrigation is indicated. Even if the wound meets all criteria listed in **2. Patient Selection**, the clinician must carefully consider whether the device is appropriate.

Patient evaluation should include:

- Health history, including any co-morbidities.
- Current medications.
- Nutritional assessment.
- Strategies for offloading weight-bearing surfaces.
- Caregiver support (for outpatient and home care patients).

Wound assessment should include:

- Wound type and location.
- Wound history.
- Length, width, depth, tunnels, undermining.
- Wound base tissue type.
- Exudate color, odor, and quantity.
- Condition of periwound skin.
- Response to previous treatments.

3.2 Prescription / order

Before therapy begins, the SVED or Svedman Wound Treatment System must be specified in a signed prescription or order from a qualified clinician. The order should include:

- Wound type and location.
- Pressure setting (-70 mmHg, -120 mmHg, or -150 mmHg).
- Pressure mode (continuous or intermittent pressure).

Note: The SVED or Svedman maintains selected pressure at the canister outlet within +/- 10% of target pressure. For intermittent pressure, the "off" interval maintains a -25 mmHg pressure. A minimal vacuum preserves drape seal and prevents exudate backflow.

- Type of irrigation solution and rate.
- Type of dressings and change frequency.
- Wound cleansing procedure.
- Any special treatment for periwound skin.
- Duration of therapy.

3.3 Preparation

3.3.1. Wound bed

Thorough wound bed preparation is essential before beginning therapy. In addition, at every dressing change the wound must be thoroughly cleansed and inspected, as follows:

1. Debride non-viable and loose necrotic tissue. Remove any slough and eschar obliterating the wound base. These tissue types prevent the foam dressing from contacting the wound base, inhibiting fluid movement. Treatment can proceed if there is scattered slough in the wound base.

Note: Continuous irrigation assists in removing scattered slough from the wound base. Use of enzymatic debridement ointments may clog foam pores and impact the distribution of negative pressure across the wound base.

2. Thoroughly cleanse the wound and all tunnels/undermining. Flush a generous amount of irrigation solution across the surface and any dead space (irregular contours, undermining, or tunnels) to remove surface bacteria and debris.

Note: The individual plan of care should specify a wound cleansing procedure. Syringes, catheters, and other cleansing devices can be effective.

Continuous irrigation therapy does **not** substitute for wound cleansing at dressing changes. Thorough cleansing is essential at the initiation of therapy and at each dressing change.

3.3.2. Periwound skin

Periwound skin must be assessed at the onset of therapy and at each dressing change. Skin protection should be specified in the individual plan of care.

The ITI Polyurethane Drape's adhesive helps prevent maceration. The ITI SensiSkin Drape for Sensitive Skin provides additional periwound protection. Consider its use as part of the suggested interventions below.

Suggested interventions for periwound skin conditions

- **Thin, fragile skin:** Apply skin barrier wipe, beginning at the wound edge and working out to coat all skin covered by drape.
- **Denuded skin:**
 - If the skin is not weeping substantially, use a non-sting skin barrier wipe over denuded areas and the intact periwound skin. Cover with drape as usual. If denudement does not resolve quickly, consider using the ITI SensiSkin Drape for Sensitive Skin.
 - If significant weeping jeopardizes obtaining a seal with the drape, apply the non-sting skin barrier as above and a hydrocolloid over the weeping areas.
- **Skin tears:**
 - For small skin tears in which the surrounding skin is stable: Treat with a non-sting skin barrier and drape as usual.
 - For larger or draining skin tears: Cover with appropriate wound dressings (such as hydrocolloids, adhesive foams) and drape as usual.
 - To prevent future skin tears: Carefully remove the drape at each dressing change.
- **Candidiasis (skin yeast rash):** Typically presenting as a macular/papular rash that may itch, candidiasis can usually be treated with a topical antifungal product without a therapy holiday:
 1. Sprinkle the skin with an appropriate antifungal powder and spread with gloved finger over and beyond the rash.
 2. Seal with skin barrier wipe or spray.
 3. Repeat at each dressing change until rash is resolved for at least 72 hours.

Note: If *Candida* is present on the periwound skin, consider whether fungus might also be in the wound base. If fungus in the wound base is suspected, consider irrigating with an appropriate antimicrobial or antifungal product. See **Appendix B. Irrigation**.

- **Moist skin related to perspiration:** If heavy perspiration causes the drape to dislodge:
 - Sometimes a skin barrier wipe is sufficient.
 - If the problem persists, sprinkle ostomy powder over the skin and spread with a gloved finger. Seal with a skin barrier by patting with wipe or lightly applying spray.
 - If additional adhesive is needed, apply a thin coating of medical adhesive onto the skin.
- **Maceration:**
 - Treat using the same interventions described above for moist skin.
 - Consider using ITI SensiSkin Drape. With a higher moisture vapor transfer (MVTR) rate than standard drapes, this drape may prevent maceration of the skin.
 - If the maceration is severe, or does not resolve quickly, consider these steps:
 1. Place therapy on hold for 48 hours to give the skin time to recover its integrity.
 2. During this therapy holiday, apply appropriate moist wound dressings.
 3. When therapy is resumed, consider changing the dressing application and/or pressure settings.
- **Adhesive non-acceptance:** If the drape does not adhere, apply a light coating of medical adhesive to the skin before draping.
- **Adhesive sensitivity (allergy):**
 - If a patient reports previous sensitivity to adhesives, a patch test is advised:
 1. Place three small—approximately 2 sq cm (0.3 sq in)—drapes on intact skin well away from the wound and surrounding skin.
 2. Every 24 hours remove one piece.
 3. If a rash occurs, it is likely that the patient is sensitive to the adhesive.
 - If mild symptoms occur during the patch test or during therapy, consider using the ITI SensiSkin Drape. A steroid spray can be prescribed to reduce itching.
 - If symptoms are severe, discontinue the use of the adhesive drape and call an ITI clinical consultant for assistance in planning alternative cover dressings.

3.4 Dressings

Because of the complex nature of wounds, clinician judgment is essential for each case. Routine dressing changes should occur every 48 to 72 hours. Dressing changes for infected wounds should be accomplished more frequently than 48 to 72 hours. Always replace with sterile disposables from unopened packages. Follow established protocols regarding clean vs sterile technique. Consult your ITI clinical representative for assistance with specific clinical questions.

3.4.1. Dressing procedure outline

1. Carefully remove any previously applied dressing.
2. Carefully inspect—visually and manually—to ensure complete foam removal. Consult prior documentation for number of pieces inserted.

3. Thoroughly cleanse wound.
4. Apply wound contact layer if indicated. (If a topical silver dressing is prescribed, apply the silver wound contact layer over the wound bed—with black foam layered on top).
5. Fill wound with appropriate foam type, documenting number of pieces. Do **not** pack the dressing tightly into the wound space. Foam should very lightly contact the wound edges, but not exert pressure on the wound edges (which may slow wound edge contraction).
6. Cover with drape. As the drape's adhesive is activated by pressure and body temperature, when applying the drape press firmly with gloved hands to ensure a seal.
7. Cut nickel-sized holes in the drape to apply the SpeedConnects.
8. Apply SpeedConnects: one for NPWT, and one for irrigation.
9. Select therapy settings (pressure and mode) and begin therapy.
10. Change dressings every 48 to 72 hours (more frequently for infected wounds).

3.4.2. Dressing removal

Careful dressing removal prevents damage to the wound and surrounding skin.

- To facilitate release, gently stretch and lift drape while using a gloved index finger to hold down intact skin.
- Always make sure that all components have been removed from the wound. After removing the dressing:
 - Carefully observe the visible wound base.
 - Gently sweep undermined or tunneled areas with a gloved finger if possible to manually check for a clean wound base.
 - Consult prior documentation and then count pieces of foam to be certain all previously inserted pieces have been removed.

Tips: If the drape does not release easily, or if the skin is very fragile, try one of the following:

- Apply a warm wet cloth to the skin as the drape is gently lifted.
- Use a medical adhesive remover. After applying this product, wash and rinse the skin thoroughly to remove any residue that might prevent the new drape from adhering.
- If the skin is extremely fragile, carefully cut away the drape only over the open wound to enable the dressing change, and layer a new drape over the old drape. By the next dressing change, the old drape should more readily release from the skin.
- Consider pre-medication, irrigating with a topical anesthetic before removing the dressing, or applying a wound non-contact layer.

3.4.3. Typical dressings and applications

3.4.3.1. ITI White Foam Dressing

ITI White Foam Dressing is non-occlusive, hydrophilic, malleable, and provides tensile strength. The ITI white foam is soft and pliable wet or dry. Supporting fluid movement, white foam helps keep the wound interface moist.

When to consider using white foam

- To loosely fill tunnels or tracts (first, ensure a fistula is not present).
- To assuage painful wounds.
- To treat wounds with fragile granulation tissue.
- To protect exposed bone, tendons, or ligaments.
- To treat flaps and grafts, when using black foam layer on top.

Tips when using white foam

- Cut as needed. White foam can be cut into a spiral configuration to fit longer tunnels. For best results, make sure the spiral is at least 1 cm (0.4 in) wide. Can be placed dry into the wound.
- Can be used with irrigation.
- Does not require an increased pressure setting.
- Loosely fill all dead space within wounds to prevent granulation forming a seroma or abscess.
- White foam is easily cut into strips for small spaces. Keep in mind that thin strips inherently provide less tensile strength. As needed, wrap thin strips in a wound contact layer before placing them in a tunnel.
- Roll to fill a larger tunnel or space.
- When filling tunnels or undermined spaces, always leave a significant portion of the foam visible in the wound base—so it is found during dressing removal. Because cutting white foam decreases tensile strength, after cutting the foam pull both ends simultaneously to check for adequate tensile strength.
- Layering of black foam over the white foam is recommended. The black foam enables NPWT to evenly transport fluid collected by the white foam.
- Always document the number of pieces of white foam used in the wound.

3.4.3.2. Other Wound contact layers

Also known as a wound non-adherent layer, the wound contact layer is a non-adhesive, non-occlusive mesh that protects vulnerable structures, fragile granulation tissue, grafts, or suture lines. There are several brands of wound contact layers on the market, each with distinct characteristics. In some cases, a wound contact layer can be used in place of white foam. In granular wound bases, a wound contact layer under black foam may slow the rate of granulation tissue formation.

Antimicrobial impregnated wound contact layers are available. If a topical silver dressing is prescribed, apply the silver wound contact layer over the wound bed—with black foam layered on top.

Always document the inclusion of wound contact layers.

When to consider using a wound contact layer

- If white foam is unavailable, use a wound contact layer to protect exposed bone, tendon, ligaments, fascia, or tunnels.
- As a covering over closed incision lines (sutured or stapled) before foam is applied.
- As a wick to loosely fill small tunnels.
- In the base of painful wounds or wounds with fragile granulation tissue.
- To treat flaps and grafts, using black foam layered on top.
- To reduce wound base bioburden, apply a silver-impregnated wound contact layer.

3.4.3.3. ITI Black Foam Dressing

ITI Black Foam Dressing is hydrophobic. Designed to conform to wound surfaces, black foam evenly distributes negative pressure over the wound bases, removing exudate and irrigation fluids.

When to consider using black foam

- Directly to the wound bed when no structures are visible.
- Over white foam or wound contact layer applied to the base of a wound.
- To loosely fill undermined areas.
- Over closed suture lines (apply wound contact layer first).
- Over grafts and flaps (apply a white foam layer first).

Tips for using black foam

- **Never** place black foam on intact skin or wound edges.
- Cut black foam slightly smaller than wound.
- Black foam can be cut to fit odd-shaped wounds. **DO NOT** use black foam in tunnels. Black foam may be used in undermining. To ensure complete removal of black foam in extensive undermining, consider wrapping it in wound contact layer.
- **DO NOT** cut black foam while holding it directly over the wound.
- Loosely fill all tunnels/undermining, but **DO NOT** pack or tightly fill, which would decrease the rate of granulation. The goal is to enable negative pressure to slightly collapse wound edges around the foam.
- Extend black foam slightly higher than skin level. This prevents negative pressure from pulling the dressing down in a convex shape.
- Thin black foam in shallow wounds and layer it in deep wounds.
- Black foam has sufficient tensile strength for undermining. When filling undermined spaces, always leave a significant portion of the foam visible in the wound base—so it is found during dressing removal.
- Loosely fill all dead space within wounds to prevent granulation from forming a seroma or abscess.
- Always document the number of pieces of black foam used in the wound.

3.4.3.4. ITI Polyurethane Drape

ITI Polyurethane Drape should cover all foam plus approximately 4 cm (1.6 in) of surrounding skin. Before placing the SpeedConnect, cut a 2.0 cm (0.8 in) nickel-sized hole in the drape. As the drape's adhesive is activated by pressure and body temperature, press the drape firmly with gloved hands to ensure an effective seal.

Tips for using the drape

- The drape can be applied as a single piece or in strips.
- Drape strips can be overlapped.
- The drape can be used to patch air leaks.
- The ITI SensiSkin Drape is available for fragile or aging skin.

Use of skin prep on skin prior to placing drape may assist in obtaining seal. Application of skin prep around perimeter of drape once it is in place can enhance adherence to the skin and reduce lifting of the drape.

3.4.3.5. ITI Suction Tubing with SpeedConnect

ITI Suction Tubing with SpeedConnect removes exudate and irrigation fluids from the wound. The adhesive connector end attaches to a hole cut in the drape. The flexible blue end attaches to the suction port of the SVED or Svedman canister.

After cutting a 2.0 cm (0.8 in) hole in the drape, remove the paper backing from the Suction SpeedConnect and press it firmly onto the drape—centered over the hole.

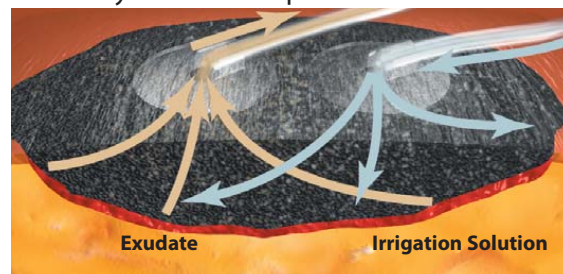


Figure 3. Typical irrigation and suction ports set-up.

Tips for using Suction SpeedConnect

- In large wounds, two suction SpeedConnects may provide optimal treatment. Use a Y-connector with two SpeedConnects and attach to a single therapy unit.
- Consider the best location for placing the Suction SpeedConnect. For example, for an irregularly shaped wound, the Suction SpeedConnect could be placed over the area of greatest depth. For abdominal wounds in which the patient is frequently sitting or is ambulatory, place the Suction SpeedConnect in the lower third of the wound.
- Consider the best direction for placement of the Suction SpeedConnect tubing. To prevent pressure ulcers from forming under tubing, consider changing direction of the tubing at each dressing change.
- If additional surface is needed to place the Suction SpeedConnect, use a bridge to increase dressing surface.
- Some fluid in the tube is normal during operation.

Tips for optimal drainage

- Place the SVED or Svedman at or below wound level.
- During dressing changes look for fluid pooling in the wound bed. Pooling is caused by thick exudates, fibrin, or serosanguinous fluid clogging the white foam, black foam, or ITI Suction Tubing with SpeedConnect. This can be resolved by the use of continuous irrigation.
- Consider, if medically advised, setting the SVED or Svedman to intermittent mode. Fluctuating pressure changes help move fluids out of the tubing.

3.4.3.6. ITI Irrigation Tubing with SpeedConnect

ITI Irrigation Tubing with SpeedConnect delivers irrigation solution to the wound. The tubing's adhesive connector end attaches to the drape in the same manner as the Suction SpeedConnect. The distal end's Luer lock connector accommodates a wide range of commercial tubing sets. When applying NPWT with irrigation to small wounds, the two SpeedConnects can be placed close to each other.

See **Appendix B. Irrigation.**

3.4.4. Special dressing considerations

3.4.4.1. ITI Bridging Set

Bridging foam has larger pores and lower density than standard black foam. This keeps cells open and fluid moving. The bridging foam's size is optimized for maximum flow.

When to consider bridging

- To increase dressing surface area in a very small wound.
- To dress multiple small wounds: Bridge one wound to another.
- To locate the SpeedConnect away from a bony prominence that the patient is unable to offload—such as the sacrum or heel—or contours, or uneven skin surfaces.
- If needed, employ two bridges: One for suction and the other for irrigation.

Tips for bridging

- The ITI Bridging Set is designed for optimal fluid movement.
- Bridge foam should **never** touch intact skin. Always drape the skin before placing a foam bridge over it.
- Bridge foam should **never** directly contact the wound base.
- Bridge foam must directly contact the foam that is covering or filling the wound. This maintains negative pressure.
- When bridging wounds from the sacral area to a lateral aspect, avoid placing the bridge over the iliac crest or other bones. If the patient lies on lateral bones, the bridge can be obstructed, blocking suction to the wound, which can dislodge the dressing.

- **DO NOT** increase pressure in an effort to move more fluid across the bridge. Increased pressure does **not** fix chronic blockage. Consider, if medically advised, setting a lower pressure or setting to intermittent mode.
- Avoid using a bridge narrower than 3.5 cm (1.4 in). For extremities, **DO NOT** construct a bridge to create a circumferential dressing. This could create a tourniquet effect that can constrict blood flow.

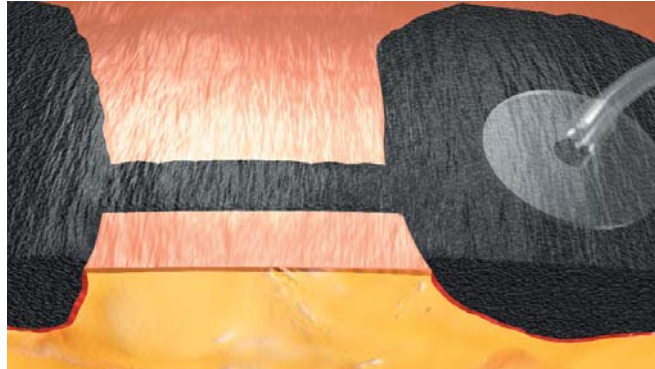


Figure 4. Bridging two wounds.

3.4.4.2. Mushroom dressings

A mushroom dressing may be appropriate for deep, small wounds. If these wounds are dressed conventionally, negative pressure may overcollapse the foam, impeding the removal of fluid. The mushroom dressing's larger foam surface reduces the risk of foam collapse.

1. Fill the wound as usual.
2. Drape the periwound skin circumferentially, extending approximately 4 cm (1.6 in) from the wound opening.
3. Cut a piece of ITI Black Foam Dressing, extending approximately 2.5 cm (1 in) from the wound opening (this looks like a mushroom cap).
4. Lay the black foam over the filled wound and complete dressing as usual.
5. Thin the width of the ITI Black Foam as necessary.



Figure 5. Example of mushroom dressing.

3.4.4.3. Irregularly shaped wounds

To more easily conform black foam dressing to a wound with a very irregular shape, cut to shape.

3.4.4.4. Dressing two wounds

To apply therapy to two wounds using a single SVED or Svedman, either:

- Use a bridge to connect both wounds to a single Suction SpeedConnect, or
- Dress each wound separately with its own Suction SpeedConnect and Y-connect both SpeedConnects to the canister. Replace the ITI Y-Connector at each dressing change.

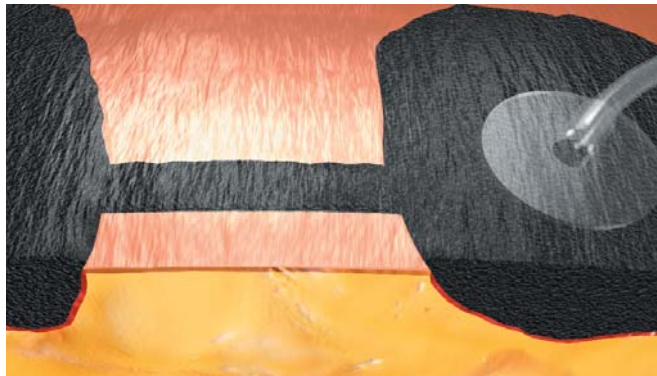


Figure 6. Using a bridge to connect 2 wounds.



Figure 7. Connecting 2 wounds using the ITI Y-Connector.

3.4.4.5. Securing a tight seal

Sometimes a wound's location makes it hard to achieve an air-tight drape seal. Consider using one of the products listed below. Also see **3.4.2. Periwound skin**.

Skin Prep: Use on skin before placing drape. Use of skin prep on skin prior to placing drape may assist in obtaining seal. Application of skin prep around perimeter of drape once it is in place can enhance adherence to the skin and reduce snagging or lifting of the drape.

- A border or “picture frame” placed around the drape edge with 1 in tape is useful to prevent drape from snagging on bedding/clothing or rolling up in friction prone areas. In large wounds it is useful to hold drape edges down, thereby preventing several micro-leaks that together can trigger the leak alarm.
- **Ostomy Paste:** Use as “caulk” to seal leaks:
 - Before draping the leak-prone area: Place a bead or line of paste on the skin.
 - If a leak occurs after the drape is placed: Remove the plunger from a syringe, fill the syringe with paste, and replace the plunger. Then, placing the hub of the syringe into the leak, discharge paste from the syringe to fill the leaky area.
- **Ostomy paste strips or cohesive seals:** Shape these materials to fill creases or difficult-to-seal areas. For best results, lay the material on intact skin before applying the drape. Mold by hand after applying the drape.
- **Hydrocolloid strips:** Cut hydrocolloid dressings into strips and layer to fill creases or uneven skin. For best results, lay hydrocolloid directly on dry skin before applying the drape.

3.5 Evaluation during treatment

The patient, wound, and SVED or Svedman must be carefully monitored during therapy. Frequent observation is essential even when patients have been receiving therapy for a long time.

At each dressing change, carefully evaluate and document the wound and surrounding skin. Perform a complete wound assessment at least every 7 days. The rate of healing varies with wound type and patient co-morbidities.

3.5.1. Elements to document

- Number of pieces removed of each type of foam.
- Wound contact layer removed, if applicable.
- Wound base appearance.
- Periwound skin condition.
- Amount and color of exudate.
- Odor, if present after cleansing.
- How wound was cleansed.
- Number of pieces applied of each type of foam.
- Pressure setting and mode.
- Irrigation solution used and application rate.
- Dressing pulled down and stable.
- Reported pain with related interventions.
- Patient education for the wound and The ITI Wound Treatment System.

3.5.2. Factors delaying healing

If a wound fails to progress, or if negative progress is noted, consider these possible factors:

- **Internal factors include:** Infection, biofilm formation, inadequate nutrition, anemia, dehydration, and vascular insufficiency.

Wound colonization can run the spectrum from scattered free-floating colonies, to planktonic colonies that form biofilms, to frank infection. NPWT with continuous irrigation helps keep bacterial load low. See **Appendix B. Irrigation.**

If a topical silver dressing is prescribed, apply the silver wound contact layer over the wound bed—with black foam layered on top. Keep in mind that although topical silver products decrease bacterial load, they do **not** replace the need to thoroughly debride and cleanse the wound at each dressing change.

- External factors include: Pressure over the wound, trauma, and therapy turned off for prolonged periods.

If, after correcting these factors, wound healing still does not progress, consider discontinuing NPWT therapy and implementing another dressing/therapy regimen.

4. SVED and Svedman Quick Reference Guide

Please refer to the SVED and Svedman User's Manuals for detailed operating instructions and safety tips. **IMPORTANT:** As with any prescription medical device, failure to follow product instructions or changing settings and performing therapy applications without the express direction and/or supervision of a trained clinical caregiver may lead to improper product performance and the potential for serious or fatal injury.

4.1 Therapy Unit Instructions

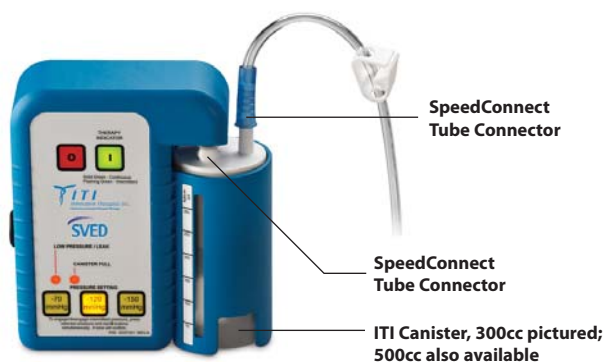


Figure 8a. SVED device.



Figure 8b. Svedman device.

1. Ensure that an ITI Fluid Collection Canister is properly placed in the receptacle of the Therapy Unit.
Note: Always use a new canister with a new patient.
2. Inspect the adhesive tubing connectors to ensure that they are properly connected to the ITI Foam Dressing and that the connections are well sealed.

3. Connect the distal end of the SpeedConnect tubing with the blue tapered connector to the suction port of the Canister. Gently twist and push the connector on just enough to secure and seal it. Also, ensure that the clamp on the SpeedConnect tube is open.
4. If utilizing the Svedman therapy unit:
 - Insert the "Suction" tube from the canister to the "SUCTION" port on the top-front of the Therapy Unit.
 - Insert the "Sensing" tube from the Canister to the "SENSING" port on the top-front of the Therapy Unit. The metal tabs on the connectors may need to be depressed to permit tube insertion.If utilizing the SVED therapy unit, slide canister into holder and press upwards until the canister locks into place.
5. Plug the Therapy Unit's A.C. Adapter into a suitable 120 VAC, 60 Hz, outlet. Insert the power plug into the Power Jack on the side of the Therapy Unit.
6. Press the ON (1) button to begin therapy. Check to verify the green button light is illuminated. Adjust the desired therapy level by pressing the appropriate pressure button (-70 mmHg, -120 mmHg, or -150 mmHg).
 - Software versions 2.57 and higher can operate in an intermittent suction mode with a 5 minute "on" and 2 minute "off" cycle.
 - To turn the intermittent mode on, press and hold the desired setting button then momentarily press the OFF (0) button. The unit will beep "•—•—" and the green ON (1) button will begin flashing indicating the unit is now operating in intermittent mode. Release both buttons.
 - To turn the intermittent mode off (and return the device to the default continuous mode), repeat the above steps. The unit will produce a single long beep and the green ON (1) button will steadily illuminate.
 - The unit will remember the mode setting when the power is turned OFF and ON.
 - During intermittent operation, the unit will provide target therapy pressure throughout the "on" part of the cycle and approximately -25 mmHg throughout the "off" part of the cycle. By maintaining this lower pressure while the unit is off, the dressing seal is never compromised. This method of applying intermittent pressure also increases patient comfort.
7. Dressing should collapse, indicating the presence of vacuum. Once dressing integrity is verified, turn the irrigation fluid supply on and adjust flow rate for desired therapy.
8. Carefully check dressing for vacuum or fluid leaks and repair with additional ITI Semi-permeable Drape material as needed.
9. The therapy unit should be operated at least 22 out of every 24 hours to prevent possible infection.

4.2 Replace the SVED Canister

1. Press the SVED device's red OFF switch.
2. Close tubing clamp for the Suction SpeedConnect.
3. Put a tubing cap on the Irrigation SpeedConnect to prevent leaking.
4. Remove tubing connector from top of SVED Canister.
5. Read volume in canister and document, press canister release button and withdraw canister from bottom of unit.
6. Dispose of the canister according to local, state, and federal regulations as well as institutional protocols.
7. Place a new SVED canister into the SVED device: Rotate the canister to line up the ports, and push to lock into place. (It may be necessary to press the canister release button in order to lock the canister into place).

4.3 Replace the Svedman Canister

1. Press the Svedman's red OFF switch.
2. Close tubing clamp for the Suction SpeedConnect.
3. Put a tubing cap on the Irrigation SpeedConnect to prevent leaking.
4. Remove tubing connector from top of Svedman canister.
5. Press canister release buttons and remove canister from its holder. Place cap onto canister inlet port if desired.
6. Dispose of the canister according to local, state, and federal regulations as well as institutional protocols.
7. Place a new Svedman 1200 cc Canister into the holder: Connect the short tubing to the sensing connector, and the other to the suction connector.

4.4 Daily and weekly SVED and Svedman maintenance

- **Daily:** Visually inspect the device. Check to ensure the device is functioning properly. Check for any sign of contamination.
 - If the unit is not functioning properly, refer to the SVED or Svedman User's Manual's Operating Instructions / Alarm Troubleshooting guide. Or contact ITI to have the unit serviced.
 - If the device appears contaminated or dirty, follow the Weekly instructions below.
- **Weekly:** Wipe the SVED or Svedman device with either a diluted solution of 5 ml bleach in 1 liter of warm water (approximately 1 teaspoon bleach in 1 quart water) or a mild disinfectant. Use a coarse cloth and wring out any excess solution until the cloth is damp and not dripping. Other cleaning fluids are not recommended, as they can damage the finish of the enclosure.

Follow standard safety precautions when cleaning the unit.

Cleaning solutions that are recommended include bleach and water, Clorox Wipes, Dispatch, Sani Cloths, CaviWipes, Viraguard®, OxyFect™ H, CLINI-TECH®, 3M™ Quat Disinfectant and any mild hospital-grade disinfectant.

On a regular basis inspect the AC adapter for damage and/or unusual wear. Replace damaged or worn power supplies immediately. AC adapters are available from ITI. Do **not** substitute with other vendors' adapters—this could cause serious electrical damage.

5. Using the SVED or Svedman in a Sterile Field

5.1 Sterile dressings / aseptic canister

Dressings

All ITI dressings are packaged sterile and are latex-free. ITI employs ethylene oxide (EtO) sterilization for our foam and drape products. This avoids radioactivity issues associated with sterilization by gamma irradiation and its associated waste materials.

Canisters

The SVED or Svedman Wound Treatment System does not require sterile canisters. Each individually packaged canister is aseptic.

Aseptic canisters are acceptable because the sterile ITI Suction Tubing with SpeedConnect, linking the SVED or Svedman to the canister, is 2.4 m (8 ft) long and does not connect in-line or mid-line. The separation between canister and wound eliminates the need for sterilized canisters.

Protocol requires canisters to remain outside the sterile field.

5.2 Testing a seal in the operating room

To test a seal in the operating room, follow these steps:

1. In the OR, apply negative pressure wound dressing.
2. Attach the ITI Suction Tubing with SpeedConnect to low wall suction.
3. After the seal is confirmed, clamp and cover the end of the tubing with a drape or place it inside a sterile glove.
4. After the patient is transported to a post-operative area, attach the ITI Suction Tubing with SpeedConnect to the SVED or Svedman.

6. Clinical and Patient Education

For the full set of ITI clinical resources, go to the Innovative Therapies Inc. website www.itimedical.com or contact your ITI representative.

For at-home use, the FDA mandates that patients and their caregivers be instructed in how to safely operate a device—and how to get help if needed. Patients must demonstrate—and the clinician must document—satisfactory competence.

- Use *The Innovative Therapies patient education tool: SVED-at-home*. ITI recommends that one copy be kept in the medical record and one copy be given to the patient and/or caregiver.

The teaching plan includes:

- How to plug the therapy unit in and know that it is charging.
 - How to turn the therapy unit off and on.
 - How to read and troubleshoot the alarms.
 - How to change the canister.
 - How to reseal a leak in the drape.
 - Actions to take if a dressing must be removed.
 - How to monitor for excessive bleeding.
 - Emergency action plan.
 - How to reorder supplies.
 - Who to call if help is needed or to answer questions.
- Also provide the patient and caregiver *How to use the SVED Wound Treatment System at home / A guide for patients and caregivers*. This guide supplements (but does not replace) one-on-one patient education.

Appendix A. Pressure / Mode Guidelines

The ITI Wound Treatment Systems are indicated for patients with chronic, acute, traumatic, subacute, and dehisced wounds, diabetic ulcers, pressure ulcers, flaps and grafts.

Note: This guidance was developed based on manufacturer's knowledge of performance of dressing components in certain wound types. As with any application, please consult the patient's treating physician about individual conditions and treatments, and follow all applicable instructions for use and labeling for product use and operations.

Appendix A.1. Pressure / mode by wound type

Wound Type	Suggested Foam	Suggested Pressure/Mode	Notes
Acute Wounds			
Traumatic injuries	Black foam	Pressure: -120 mmHg Mode: Continuous Consider intermittent mode once exudate volume decreases.	Irrigation provides continuous cleansing and decreases pain.
Closed incisions for patients at risk for wound dehiscence Skin and muscle flap incisions are included in this category	Black foam	Pressure: -120 mmHg Mode: Continuous	Place a 4 cm (1.6 in) drape border around the incision—directly adjacent to sutures or staples. Apply wound contact layer over suture line, extending approximately 1 cm (0.4 in) beyond that line. Cover with black foam, drape, and apply SpeedConnect as usual. Therapy is generally discontinued after 1 week.
Skin grafts	Typically: Black foam For some cases, the clinician can choose white foam.	Pressure: -70 mmHg or -120 mmHg Mode: Continuous	Apply wound contact layer or white foam over graft. Then apply black foam. Therapy is generally discontinued after 1 week. For bioengineered skin products, check with the manufacturer for specific guidance prior to using negative pressure.
Surgically debrided wounds	Typically: Black foam If structures exposed: Single layer white foam with black foam on top.	Pressure: -120 mmHg Mode: Continuous until exudate decreases, then intermittent	If hemostasis is achieved in the OR, the device can be placed at that time. After placing the device, frequently monitor the dressing and exudate to detect any bleeding.

Appendix A.1. Pressure / mode by wound type (continued)

Wound Type	Suggested Foam	Suggested Pressure/Mode	Notes
Chronic Wounds			
Pressure ulcers	Typically: Black foam If structures exposed: Single layer white foam with black foam on top.	Pressure: -120 mmHg Mode: Intermittent	Irrigation helps stalled wounds begin normal healing progression.
Lower extremity ulcers, such as venous leg ulcers	Black foam	Pressure: -120 mmHg Mode: Continuous. Consider switching to intermittent when exudate decreases.	In some cases, edema management is required. If compression wraps are used, they should overlie the dressing, but must not overlie the SpeedConnect. Select appropriate topical irrigation solution.
Lower extremity ulcers due to arterial disease	Typically: Black foam If structures exposed or pain occurs: Single layer of white foam with black foam on top.	Pressure: -120 mmHg If wound pain occurs, decrease pressure to -70 mmHg. Mode: Intermittent.	In cases when wounds are dry and prone to infection, irrigation helps promote granulation and remove infectious materials.
Lower extremity diabetic ulcers	Typically: Black foam If structures exposed: Single layer of white foam with black foam on top.	Pressure: -120 mmHg Mode: Intermittent.	Patients with bone exposed or close to wound surface should be evaluated for osteomyelitis. If periwound skin is particularly vulnerable, take preemptive measures to protect skin from moisture.
Dehiscid surgical wounds	Black foam	Pressure: -120 mmHg or -150 mmHg. Mode: Continuous. Consider switching to intermittent mode when exudate decreases.	If bowel is close to wound surface, delay therapy due to the risk of fistula development. The following dressing technique may assist in wound closure: 1. Completely fill the depth (ensure foam is in contact with wound base) and underfill the width. 2. Pull wound edges towards each other, and apply drape in strips to hold traction while negative pressure is applied. When therapy begins, select appropriate topical irrigation solution. Caution: It is not recommended to deliver fluids to the thoracic cavity.
Enterocutaneous fistulas within chronic abdominal wounds	White foam over fistula opening with black foam on top	Pressure: -120 mmHg or -150 mmHg. Mode: Continuous.	Irrigation thins the effluent, preventing foam from becoming clogged. Consider placing the SpeedConnect in the area of the fistula opening. If neither fascia nor solid granulation covers the wound base, delay therapy to avoid creating other fistulas.

Table 2. Pressure / mode by wound type.

Appendix A.2. Pressure /mode by wound condition

Wound Type	Suggested Pressure / Mode	Notes
Large volume of exudate	Increase pressure and/or intermittent mode.	Although increased pressure may help fluid movement, pressure that is too high may overcollapse the foam, causing fluid to pool in the wound. By setting intermittent mode, the fluid intermittently contracts and relaxes in the wound, enhancing flow.
Thick exudate	Intermittent mode.	Irrigation thins the exudate and cleanses the foam.
Multiple wounds	Increase pressure.	Do not use one SVED or Svedman on more than two wounds.
Painful wound	Decrease pressure.	A single layer of white foam with black foam on top may decrease pain.
Wound granulation is slow or stagnant	Intermittent setting.	Irrigate with an appropriate topical solution. Consider silver wound contact layer. Consider patient co-morbidities.
Black foam overcollapse	Decrease pressure and/or switch to intermittent mode.	Consider a thicker piece of foam.

Table 3. Pressure / mode by wound condition.

Appendix B. Irrigation Guidelines

Appendix B.1. NPWT with simultaneous irrigation

The SVED or Svedman Wound Treatment System provides NPWT with simultaneous irrigation—delivering aqueous solutions over the wound bed. Irrigation cleanses all areas in contact with foam: The wound base and any tunnels or undermined areas. By keeping the wound base moist, irrigation promotes wound healing. In addition, by cleansing the foam itself, irrigation helps maintain uniform pressure.

Irrigation is applied through the ITI Irrigation Tubing with SpeedConnect, placed in the same manner as the ITI Suction Tubing with SpeedConnect. The two SpeedConnects can be in close proximity for small wounds, or at some distance to each other for large wounds.

Typically, continuous irrigation is applied at a rate of 25 to 30 cc/hr. For intermittent irrigation procedures, see Appendix B.3. Intermittent irrigation.

Clinicians should carefully investigate indications, contraindications, and usage guidelines before prescribing any solution. This document is intended to provide general information about topical irrigation solutions used with wounds. It is not intended to be used as a guide line for prescribing the solutions.

Tips for using irrigation with ambulatory patients

- Tape together the suction and irrigation tubes.
- As needed, shorten irrigation tubing as follows:
 1. Cut tubing with sanitized scissors.
 2. Remove the Luer lock connector and cap from the severed tubing end.
 3. Insert the Luer lock connector and cap into the working shortened tube.

Appendix B.2. Suggested irrigation solutions

Irrigation Solution Type	Category	Characteristics	Clinical Considerations	Administration Considerations
Mafenide acetate (Sulfamylon)	Antibacterial agent. Useful for many gram negative and gram positive organisms, including <i>Pseudomonas</i> and certain strains of anaerobes. Does not reduce fungal growth.	Commonly used to prevent and treat burn wound infections. Activity not altered by the presence of blood, serum, leukocytes, or pH variability. Can penetrate non-viable tissue.	Systemically absorbed. Patients sensitive to other sulfonamides, furosemide, thiazide diuretics, sulfonyleureas, or carbonic anhydrase inhibitors may be sensitive to this product. Monitor for metabolic acidosis. Metabolites excreted via urine—use caution in renal-compromised patients.	5% solution is typically used. Administer within 24 hours of mixing. Deliver using 0.22 micron filter.
Oxychlorosene sodium (Clorpactin)	Antiseptic / antimicrobial. Effective against bacteria, yeast, fungi, viruses, spores, and antibiotic-resistant organisms.	Stable derivative of hypochlorous acid. Only effective when in contact with viable wound base.	Non-toxic, non-allergenic when used at recommended strength. Stable for 5 days at room temperature.	0.4% solution is generally used for wound disinfection.
Sodium hypochlorite (Dakins)	Antiseptic/antimicrobial. Effective against bacteria, yeast, fungi, viruses, spores, and antibiotic resistant organisms.	Breaks down non-viable tissue. Is a weak hypochlorite solution buffered with sodium bicarbonate.	<i>In vivo</i> toxicity is debated, unclear. No data indicates that solution is toxic or causes allergic reactions. Produced both commercially and by patients at clinician direction. May cause irritation to intact skin.	0.05% solution is generally used for wound irrigation or dressings. Integrity and potency may be affected by exposure to light, heat, and loosely sealed container. May cause irritation to intact skin, especially at stronger dilutions.
Silver nitrate	Antiseptic / antimicrobial. Effective against broad spectrum of bacteria and fungi.	Infrequently used; generally selected in full thickness burns in patients who are allergic to other topical antimicrobials. Does not penetrate eschar.	Application is painless. Hypoallergenic, but can pull electrolytes from base tissue. Stains intact skin.	0.5% solution is generally used. Powder must be mixed with sterile water. Mixed solution is light sensitive.
Lidocaine	Anesthetic agent	May be helpful in reducing pain with dressing change.	Patients may experience allergic reaction, toxicity, and other drug associated side effects. Monitor cardiovascular status carefully during and after administration.	Irrigation dilution should be individualized—generally 25cc 1% lidocaine in 250 cc normal saline. Generally not used for continuous irrigation—rather as local anesthetic prior to dressing change.
Sodium chloride	Wound irrigation solution.	Does not impact microorganism viability. Useful for wound bed flushing.	Discard unused fluid within 72 hours of opening container. Hypoallergenic, non-toxic.	0.9% solution is generally used.

Table 4. Suggested irrigation solutions.

Appendix B.3. Intermittent irrigation

This section addresses intermittent irrigation.

For some care settings—such as outpatient or home care—payors may not compensate for the extra canisters required for collecting irrigation fluids, or may not pay for fluids and setups not used for IV administration. In those settings, intermittent irrigation may provide a solution.

The prescribing clinician specifies the volume and frequency of intermittent irrigation.

1. Pour the prescribed amount of irrigation solution into a sterile disposable container or sanitized container.
2. Remove the cap from the end of the Irrigation SpeedConnect.
3. Place the Irrigation SpeedConnect into the container. The irrigation solution will be pulled through the tubing and into the dressing. Alternatively, a syringe may be used to draw the fluid and deliver it via the SpeedConnect. The syringe may be refilled to deliver the amount of irrigation solution prescribed.
4. Replace the cap on the end of the irrigation SpeedConnect.
5. Repeat 2 to 3 times daily or as prescribed.



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Please refer to the Innovative Therapies product manual for indications, contraindications, precautions and safety information. Always consult a physician and product instructions for use prior to application.

Caution: Federal law restricts these devices to sale by or on the order of a physician.