PREVENA PLUS™ 125 THERAPY UNIT (14 DAY) WITH PREVENA PLUS™ 150ML CANISTER AND ACCESSORIES

INSTRUCTIONS FOR USE
FOR CLINICIANS ONLY
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# TABLE OF CONTENTS

Product Description .................................................................................................................. 5  
Indication for Use .................................................................................................................... 5  
Important Information for Users .......................................................................................... 5  
Optimum Use Conditions ....................................................................................................... 5  
Warnings .................................................................................................................................. 6  
Precautions ............................................................................................................................. 7  
PREVENA™ Dressing Application Instructions ...................................................................... 8  
Connecting the PREVENA™ Dressing to the PREVENA PLUS™ 125 Therapy Unit ............. 8  
   PREVENA PLUS™ 125 Therapy Unit Components ................................................................. 8  
   PREVENA PLUS™ Canister Installation ............................................................................... 9  
   Connecting to a PREVENA™ Dressing with SENSAT.R.A.C.™ Tubing Set ...................... 9  
   Connecting to a PREVENA™ Therapy V.A.C.® Connector and Non SENSAT.R.A.C.™ Dressing .... 10  
Beginning Therapy ................................................................................................................ 10  
   Unit Troubleshooting ......................................................................................................... 12  
Therapy Life Indicators ......................................................................................................... 12  
Duration of PREVENA PLUS™ Therapy ............................................................................... 12  
Alerts ...................................................................................................................................... 13  
Correcting a Leak Condition ............................................................................................... 14  
   PREVENA CUSTOMIZABLE™ OR PREVENA PLUS CUSTOMIZABLE™ Dressing .............. 14  
   PREVENA PEEL & PLACE™ or PREVENA RESTOR™ Dressing ........................................ 14  
   Check Canister Tubing Connection .................................................................................... 15  
   Indications That a Leak Condition Has Been Corrected .................................................... 15  
Battery Charging .................................................................................................................. 16  
Canister Removal and Replacement .................................................................................... 17  
PREVENA PLUS™ 125 Therapy Unit Disposal .................................................................... 17  
Instructions for Patients ....................................................................................................... 18  
   Daily Use ............................................................................................................................ 18  
   Sleeping ............................................................................................................................. 18  
   Showering and Bathing ...................................................................................................... 18  
   Strenuous Activity ............................................................................................................ 18  
   Cleaning ............................................................................................................................. 18  
Warnings and Important Information for Users -  
   PREVENA PLUS™ 125 Therapy Unit ............................................................................... 19  
PREVENA PLUS™ 125 Therapy Unit Electromagnetic Compatibility .................................. 20  
Included Power Supplies ..................................................................................................... 25  
Customer Contact Information ............................................................................................ 26  

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**TABLE OF CONTENTS CONTINUED ON THE NEXT PAGE.**
INSTRUCTIONS FOR USE PREVENA PLUS™ 125 THERAPY UNIT

KCI CUSTOMER CONTACT INFORMATION IS LOCATED IN THE BACK OF THIS GUIDE.

PRODUCT DESCRIPTION

The PREVENA PLUS™ 125 Therapy Unit, Canister and associated accessories are compatible with PREVENA PEEL & PLACE™ Dressings, PREVENA CUSTOMIZABLE™ Dressings and PREVENA RESTOR™ Dressings.

INDICATION FOR USE

The PREVENA PLUS™ Incision Management System is intended to manage the environment of surgical incisions that continue to drain following sutured or stapled closure by maintaining a closed environment and removing exudate via the application of negative pressure wound therapy.

Clinical studies have been conducted on KCI Negative Pressure Incision Management Systems. Refer to the Bibliography of Published Studies in the back of this guide.

IMPORTANT INFORMATION FOR USERS

CAUTION: The PREVENA PLUS™ Incision Management System should be applied and removed only by qualified physicians, nurses or caregivers.

As with any prescription medical device, failure to carefully read and follow all instructions and safety information prior to use may lead to improper product performance and could result in failure of the wound to heal.

PREVENA™ Dressings, Therapy Units, Canisters and accessories are disposable and are for single use only. Re-use of disposable components may result in wound contamination and/or infection.

CAUTION: Do not use the PREVENA PLUS™ 125 Therapy Unit with V.A.C.® Dressings or V.A.C.® Therapy System accessories.

OPTIMUM USE CONDITIONS

For maximum benefit the PREVENA PLUS™ Incision Management System should be applied immediately post surgery to clean surgically closed wounds. It is to be continuously applied for a minimum of two days up to a maximum of fourteen days. It can transition home with the patient.

The PREVENA PLUS™ Incision Management System will not be effective in addressing complications associated with:

- ischemia to the incision or incision area
- untreated or inadequately treated infection
- inadequate hemostasis of the incision
- cellulitis of the incision area

The PREVENA PLUS™ Incision Management System should not be used to treat open or dehisced surgical wounds.

The V.A.C.® Therapy System should be considered for treatment of these wounds.
The PREVENA PLUS™ Incision Management System should be used with caution in the following patients:

- patients with fragile skin surrounding the incision as they may experience skin or tissue damage upon removal of the PREVENA™ Dressing
- patients who are at an increased risk of bleeding from the incision associated with the use of anticoagulants and/or platelet aggregation inhibitors

**WARNINGS**

*The PREVENA PLUS™ Incision Management System is not intended to manage open or dehisced wounds.*

**Bleeding:** Before applying the PREVENA PLUS™ Incision Management System to patients who are at risk of bleeding complications due to the operative procedure or concomitant therapies and/or co-morbidities, ensure that hemostasis has been achieved and all tissue planes have been approximated. If active bleeding develops suddenly or in large amounts during therapy, or if frank blood is seen in the tubing or in the canister, the patient should leave the PREVENA™ Dressing in place, turn off the therapy unit and seek immediate emergency medical assistance.

**Infected Wounds:** As with any wound treatment, clinicians and patients/caregivers should frequently monitor the patient's wound, periwound tissue and exudate for signs of infection or other complications. Some signs of infection are fever, tenderness, redness, swelling, itching, rash, increased warmth in the wound or periwound area, purulent discharge or strong odor. Infection can be serious, and can lead to complications such as pain, discomfort, fever, gangrene, toxic shock, septic shock and/or fatal injury. Some signs or complications of systemic infection are nausea, vomiting, diarrhea, headache, dizziness, fainting, sore throat with swelling of the mucus membranes, disorientation, high fever, refractory and/or orthostatic hypotension or erythroderma (a sunburn-like rash). Silver in the interface layer of the PREVENA™ Dressing is not intended to treat infection, but to reduce bacterial colonization in the fabric. **If infection develops, PREVENA PLUS™ Therapy should be discontinued until the infection is treated.**

**Allergic Response:** The PREVENA™ Dressing has an acrylic adhesive coating and a skin interface layer with silver, which may present a risk of an adverse reaction in patients who are allergic or hypersensitive to acrylic adhesives or silver. If a patient has a known allergy or hypersensitivity to these materials, do not use PREVENA™ Dressings. If any signs of allergic reaction, irritation or hypersensitivity develop, such as redness, swelling, rash, hives, blisters or significant pruritus, patient should consult a physician immediately. If bronchospasm or more serious signs of allergic reaction appear, the patient should turn off the therapy unit and seek immediate emergency medical assistance.

**Defibrillation:** Remove the PREVENA™ Dressing if defibrillation is required in the area of dressing placement. Failure to remove the dressing may inhibit transmission of electrical energy and/or patient resuscitation.

**Magnetic Resonance Imaging (MRI):** All KCI Therapy Units, including the PREVENA PLUS™ 125 Therapy Unit, are MR unsafe. Do not take therapy units into the MR environment. PREVENA™ Dressings can typically remain on the patient with minimal risk in an MR environment. Interruption of PREVENA PLUS™ Therapy during MRI may reduce the effectiveness of PREVENA PLUS™ Incision Management System. PREVENA™ Dressings pose no known hazards in an MR environment with the following conditions of use: static magnetic field of 3 Tesla or less, spatial gradient field of 720 Gauss/cm or less and maximum whole-body-averaged specific absorption rate (SAR) of 3W/kg for 15 minutes of scanning.
**Diagnostic Imaging:** The PREVENA™ Dressing contains metallic silver that may impair visualization with certain imaging modalities.

**Hyperbaric Oxygen Therapy (HBO):** Do not take the PREVENA PLUS™ 125 Therapy Unit or PREVENA™ Dressings into a hyperbaric oxygen chamber. They are not designed for this environment and should be considered a fire hazard. If PREVENA PLUS™ Therapy is reinitiated after HBO treatment, do not readhere the same dressing; a new dressing must be applied.

**Canister Full:** If at any time while using the PREVENA PLUS™ 125 Therapy Unit the canister becomes full of fluid, indicated by a therapy unit alert or visual inspection, the patient should turn off the therapy unit and contact the treating physician for additional instruction.

**Standard Operation:** Do not use accessories or materials not labeled for use with the PREVENA PLUS™ 125 Therapy Unit. For a list of acceptable dressings with which the PREVENA PLUS™ 125 Therapy Unit may be used, see the Product Description section.

**PRECAUTIONS**

**Standard Precautions:** To reduce the risk of transmission of bloodborne pathogens, apply standard precautions for infection control with all patients, per institutional protocol, regardless of their diagnosis or presumed infection status.

**Pediatric Use:** The PREVENA PLUS™ Incision Management System has not been studied in patients under 22 years of age.
PREVENA™ DRESSING APPLICATION INSTRUCTIONS

NOTE: While the concomitant use of surgical drains is allowable with the PREVENA PLUS™ Incision Management System, the system must not be used as an outlet or reservoir for the drain.

Application instructions for the PREVENA PEEL & PLACE™, PREVENA CUSTOMIZABLE™ and PREVENA RESTOR™ Dressings are provided in the dressing cartons. Refer to those instructions for complete dressing application information.

NOTE: When using PREVENA™ Dressings without a SENSAT.R.A.C.™ Dressing tubing set, the PREVENA™ Therapy V.A.C.® Connector (provided in the dressing pouch or ordered as a separate component) must be used to connect the tubing set to the PREVENA PLUS™ Canister tubing.

CAUTION: Do not use the PREVENA PLUS™ 125 Therapy Unit with V.A.C.® Dressings or V.A.C.® Therapy System accessories.

CONNECTING THE PREVENA™ DRESSING TO THE PREVENA PLUS™ 125 THERAPY UNIT

PREVENA PLUS™ 125 THERAPY UNIT COMPONENTS

PREVENA PLUS™ Connector - used to connect the PREVENA PLUS™ Canister to the PREVENA™ Therapy V.A.C.® Connector.

PREVENA PLUS™ 125 Therapy Unit Power Supply and Power Cord - a charging system provided with the PREVENA PLUS™ 125 Therapy Unit to charge the internal battery.

PREVENA PLUS™ 150 mL Canister - a sterile reservoir for collection of wound fluids

PREVENA PLUS™ 125 Therapy Unit - delivers negative pressure to the surgical area. The unit is battery and electrically powered. The non-sterile PREVENA PLUS™ 125 Therapy Unit Carrying Case is provided to facilitate patient mobility.
PREVENA PLUS™ CANISTER INSTALLATION

The canister used with the PREVENA PLUS™ 125 Therapy Unit is a single-use, sterile, 150 mL container with graduated markings of approximately 50 cc/mL increments.

NOTE: If the canister is not fully engaged, the PREVENA PLUS™ 125 Therapy Unit will alert.

NOTE: Only use the recommended PREVENA PLUS™ 125 Therapy Unit Canister with this product.

NOTE: Never reuse a canister.

1. Remove the canister from the sterile package.

2. Hold therapy unit and canister, vertically or horizontally, one in each hand, and slide bottom of canister into slot on bottom of therapy unit.

3. Close canister against therapy unit. The upper locking tab will click when canister is secured.

CONNECTING TO A PREVENA™ DRESSING WITH SENSAT.R.A.C.™ TUBING SET

When using PREVENA™ Dressings with a SENSAT.R.A.C.™ Tubing set:

1. Connect the SENSAT.R.A.C.™ Tubing to the PREVENA PLUS™ Connector:
   - Push the connectors together
   - Twist the connectors to lock

2. Connect the PREVENA PLUS™ Connector to the canister by aligning and plugging the connector at end of the tubing onto the tubing ports on the side of canister. Push together firmly. Ensure clamp on tube is open and positioned away from the patient.

CONNECTING TO A PREVENA™ THERAPY V.A.C.® CONNECTOR AND NON SENSAT.R.A.C.™ DRESSING

When using PREVENA™ Dressings without a SENSAT.R.A.C.™ Dressing tubing set:

1. Connect the PREVENA™ Therapy V.A.C.® Connector to the PREVENA PLUS™ Connector:
   • Push the connectors together
   • Twist the connectors to lock

2. Connect the dressing tubing to the PREVENA™ Therapy V.A.C.® Connector:
   • Push the connectors together
   • Twist the connectors to lock

3. Connect the PREVENA PLUS™ Connector to the canister by aligning and plugging the connector at end of the tubing onto the tubing ports on the side of canister. Push together firmly. Ensure clamp on tube is open and positioned away from the patient.

4. Begin therapy.

BEGINNING THERAPY
1. Ensure the PREVENA™ Dressing has been applied as described in the individual PREVENA™ Dressing Application Instructions provided in dressing cartons.

2. To begin therapy, press and hold center of the On/Off button for three seconds. The PREVENA PLUS™ 125 Therapy Unit, while in operation, may have a moderate sound emanating from the unit. All seven Therapy Life Indicators will illuminate with a green LED, indicating therapy is running.

NOTE: To interrupt therapy or turn unit off, press and hold center of the On/Off button for three seconds.

Once therapy is on for one hour non-stop, the fixed lifespan begins and continues even if unit is turned off.

3. With therapy on, assess dressing to ensure integrity of seal.

   - The dressing should have a wrinkled appearance and the foam bolster should be compressed.
   - If the foam bolster is not compressed or the therapy unit alerts, see the Alerts section.

4. If there is any evidence of a leak, check the dressing seals, tubing connectors, and canister connection, and ensure clamp is open. Refer to the Correcting a Leak Condition section for more information.

5. Secure excess tubing to prevent interference with patient mobility.

6. If desired, place the therapy unit into the carrying case. Ensure display is visible through the opening in the carrying case.

7. The carrying case comes with both an adjustable strap and belt clip for carrying. The belt clip and additional clips on each side and at the bottom of the carrying case provide a place where excess tubing may be wrapped and stored to help prevent/minimize tripping and strangulation.

   CAUTION: Do not wear or wrap strap around neck. Do not wrap tubing around neck.
UNIT TROUBLESHOOTING

If the PREVENA PLUS™ 125 Therapy Unit will not power on, make sure batteries are charged (see Battery Charging section). If the therapy unit still will not turn on, contact KCI.

THERAPY LIFE INDICATORS

NOTE: Grey represents green indicators and black represents yellow indicators.

The therapy life indicators provide a visual display of the fourteen (14) day therapy life cycle and the therapy life remaining. When therapy begins all seven green LEDs are illuminated. During therapy, after each 24-hour period an indicator will turn off. When eight hours of therapy time remains, the last indicator will illuminate with both a green and yellow LED simultaneously. When therapy time is about to expire, the last indicator will illuminate with a yellow LED and an alert will sound for approximately two minutes, then the therapy unit will shut off.

At the end of therapy, the therapy unit must be replaced with a new unit or alternative therapy must be used. Patients should be instructed to contact the treating physician or caregiver if therapy unit turns off and cannot be restarted before therapy is scheduled to end.

NOTE: Once therapy is on for one hour non-stop, the fixed lifespan begins and continues even if the unit is turned off.

DURATION OF PREVENA PLUS™ THERAPY

• Therapy should be continuous for a minimum of two days up to a maximum of fourteen days.

  NOTE: The PREVENA PLUS™ 125 Therapy Unit will automatically time-out after fixed lifespan of device. Once therapy is on for one hour without stopping, the fixed lifespan begins and continues even if the unit is turned off.

• Patients should be instructed to contact their treating physician and not to turn therapy off unless:
  o advised by the treating physician
  o bleeding develops suddenly or in large amounts during therapy
  o there are signs of allergic reaction or infection
  o the canister is full of fluid
  o system alerts must be addressed

• Patient should be instructed to contact the treating physician if therapy unit turns off and cannot be restarted before therapy is scheduled to end, or if canister becomes full of fluid.

• At end of therapy, patient should return to treating physician for dressing removal.
**ALERTS**

**Audible Alerts** - All audible alerts will sound two beeps, escalating and repeating every 15 seconds, which will increase in volume through four cycles. The fourth cycle will produce the loudest audible beep and will repeat until the alert condition is corrected.

Alert Mute Button - Press and hold center of the Alert Mute button for three seconds during an alert condition to silence the audible alert for two minutes. When pressed, the Alert Mute button will illuminate to indicate mute has been selected. The alert will re-occur after two minutes unless the alert condition has been corrected.

The therapy unit will sound audible and display visual alerts as follows:

<table>
<thead>
<tr>
<th>Alert Type</th>
<th>ID and Resolution</th>
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| Blockage Alert           | • A solid yellow LED above the blockage symbol will turn on.  
                            • Audible blockage alert will sound two beeps repeating every 15 seconds.  
                            • When the blockage condition is resolved, audible and visual alerts will turn off.                                                                 |
|                          | **To Correct Alert**  
                            Check for a full canister.  
                            Check for kinked tubing.  
                            Ensure tubing clamp is open (SENSAT.R.A.C.™ Dressing only).                                                                                           |
| Leak Alert               | • A solid yellow LED above the leak symbol will turn on.  
                            • Leak alert will sound two beeps repeating every 15 seconds.  
                            • When the leak condition is corrected, audible and visual alerts will turn off.                                                                        |
|                          | **To Correct Alert**  
                            See the Correcting a Leak Condition section in this guide.                                                                                               |
| Low Battery Level Alert  | • A solid yellow LED on the battery level indicator will turn on.  
                            • Alert will sound two beeps repeating every four minutes.  
                            • A low battery alert indicates approximately two hours of therapy remain; charge batteries IMMEDIATELY to prevent disruption of therapy.  
                            • When battery is charged, audible and visual alerts will turn off.                                                                                   |
|                          | **To Correct Alert**  
                            Charge battery; see the Battery Charging section in this guide.                                                                                         |
| Therapy Ended            | • A solid yellow LED at the top of the Therapy Life Indicator will turn on.  
                            • The therapy unit will sound eight beeps, followed by a continuous beep for five seconds, then the therapy unit will turn off.  
                            • Notify the treating physician or caregiver:  
                            If the therapy unit has completed the fourteen day therapy and has timed out, and an attempt is made to turn the therapy unit on, the therapy unit will sound an alert for three seconds then shut off. |
| System Fault Alert       | • All LEDs will turn on and flash.  
                            • Two beeps sound, repeating every 15 seconds.                                                                                                             |
|                          | **To Correct Alert**  
                            Power the therapy unit off and then on again. If alert continues contact the treating physician or caregiver.                                               |
CORRECTING A LEAK CONDITION
When the therapy unit detects a significant leak, a visual and audible leak alert will activate (see Alerts section).
See the PREVENA™ Dressings Clinician Guide for additional information

PREVENA CUSTOMIZABLE™ OR PREVENA PLUS CUSTOMIZABLE™ DRESSING

1. Press down through drape onto the adhesive seal all the way around to ensure seal.

2. Use fingers to smooth out any creases or wrinkles.

3. Use excess KCI Drape along the outer edge of drape to seal leaks.

PREVENA PEEL & PLACE™ OR PREVENA RESTOR™ DRESSING
(Illustrations in the steps below show the PREVENA PEEL & PLACE™ Dressing.)

1. With therapy unit on, slowly press firmly around dressing edge to ensure good contact between adhesive and skin.

2. If a leak is identified, use PREVENA™ Patch Strips (located in dressing package) to help seal leaks around dressing. If large wrinkles are present, place patch strips so they run in line along the length of the wrinkle and not across the wrinkle.
CHECK CANISTER TUBING CONNECTION

1. Ensure canister is securely locked onto the therapy unit. When canister is installed, a distinct click will be heard indicating it has been properly installed.

2. Check dressing tubing connector at canister.

3. Check tubing connectors to ensure they are fully engaged and locked.

INDICATIONS THAT A LEAK CONDITION HAS BEEN CORRECTED

NOTE: Upon correcting a leak condition, a small delay will occur before the therapy unit senses the correction and silences the alerts.

The therapy unit will continue the alert until condition is corrected. When leak condition has been corrected, audible alerts will stop, and visual alerts will turn off.

The PREVENA™ Dressing will be compressed.

- Dressing compressed - system pressure acceptable.

- Dressing not compressed - system pressure not acceptable.

Return to the Correcting a Leak Condition section to continue pressure correction steps.
BATTERY CHARGING

The PREVENA PLUS™ 125 Therapy Unit is battery-operated to facilitate patient mobility. The battery charge indicator on the user interface will display three levels of charge.

- Full charge (approximately nine hours remain)
- Medium charge (approximately two - seven hours remaining)
- Low charge. When low charge is indicated approximately two hours of therapy remain. Charge unit immediately to avoid disruption of therapy.

When the PREVENA PLUS™ 125 Therapy Unit is plugged into a power supply, the Power Connected icon turns yellow, indicating power is connected and system is charging. The icon will turn green when fully charged.

NOTE: Upon receipt, the PREVENA PLUS™ 125 Therapy Unit battery may not be fully charged.
NOTE: The rechargeable battery used in the PREVENA PLUS™ 125 Therapy Unit is not user accessible or replaceable.

1. Plug the mains power cord into a wall outlet.
2. Plug the other end of the mains power cord into the DC power supply.
3. Plug the DC power cord into the bottom of the therapy unit.
4. A fully discharged battery will recharge in approximately six hours.

CAUTION: Use only the charging system provided with the PREVENA PLUS™ 125 Therapy Unit. Using any other charging system may damage the therapy unit.

CAUTION: Power cords may present a tripping hazard. Ensure that power cords are out of areas where people walk.

NOTE: Power cords may have different wall plug configurations depending on country requirements.

CANISTER REMOVAL AND REPLACEMENT

1. Turn therapy off.
2. Slide dressing tubing clamp close to where tubing plugs into canister. Close clamp (SENSAT.R.A.C.™ Dressing only).
3. Unplug tubing from canister tubing ports.
5. Remove therapy unit from carrying case, if in use.
6. Press tab on canister to remove used canister from therapy unit.
7. Install new canister (see the PREVENA PLUS™ Canister Installation section).
8. Return therapy unit to carrying case if desired.
9. Reattach dressing tubing to canister tubing ports.
10. Release tubing clamp (SENSAT.R.A.C.™ Dressing only).
11. Turn therapy on.

NOTE: Dispose of used canister according to institution and local environmental regulations.

PREVENA PLUS™ 125 THERAPY UNIT DISPOSAL

At the end of therapy, the patient should return the PREVENA PLUS™ 125 Therapy Unit to the physician for disposal. Dispose of all waste according to local requirements. Improper disposal may run the risk of regulatory non-compliance.
INSTRUCTIONS FOR PATIENTS

Review the following information with the patient prior to discharge. This information is summarized in the PREVENA PLUS™ Incision Management System Patient Guide which must be provided to the patient at discharge.

DAILY USE

The PREVENA PLUS™ 125 Therapy Unit is portable and small enough that it may be worn beneath clothing during normal patient activities as approved by the treating physician.

CAUTION: Advise patient to NOT SUBMERGE therapy unit or dressing in liquid and to ensure therapy unit is not pulled into a tub or sink where it may become submerged.

CAUTION: The PREVENA PLUS™ Incision Management System is a medical device not a toy. Keep away from children, pets and pests as they can damage the dressing and therapy unit and affect performance. Keep therapy unit free of dust and lint.

SLEEPING

Instruct patient to:

• place the therapy unit in a position where tubing will not become kinked or pinched.
• ensure therapy unit will not be pulled off a table or fall to the floor during sleep.

SHOWERING AND BATHING

• Do not use the PREVENA PLUS™ 125 Therapy Unit while bathing/showering or where it can fall or be pulled into a tub, shower or sink.
• Do not reach for a product that has fallen into water. Unplug the unit immediately if plugged into an electrical source. Disconnect unit from dressing and contact treating physician or caregiver.
• Light showering is permissible, bathing is not. Before showering, disconnect the dressing from the therapy unit. For a SENSAT.R.A.C.™ Dressing, clamp the tubing then disconnect the dressing from the therapy unit.
• Dressing may be exposed to common shower soaps and rinsed with indirect shower stream. Do not submerge dressing. This may lead to wound maceration. Do not remove dressing.
• When towel drying, avoid disturbing or damaging the dressing.

STRENUOUS ACTIVITY

Advise patient as to when and at what level physical activities may be resumed. It is recommended that patients avoid strenuous activity while using the PREVENA PLUS™ Incision Management System.

CLEANING

Advise patient that the therapy unit and carrying case can be wiped with a damp cloth using a mild household soap solution that does not contain bleach.
WARNINGS AND IMPORTANT INFORMATION FOR USERS - PREVENA PLUS™ 125 THERAPY UNIT

In order for KCI products to perform properly, KCI recommends the following conditions. Failure to comply with these conditions will void any applicable warranties.

- Use this product only in accordance with these instructions and applicable product labeling.
- Assembly, operations, extensions, re-adjustments, modifications, technical maintenance or repairs must be performed by qualified personnel authorized by KCI.
- Ensure the electrical installation of the room complies with the appropriate national electrical wiring standards. To avoid the risk of electrical shock, this product must be connected to a grounded power receptacle.
- Cell phones or similar products could affect the therapy unit. Move the therapy unit away from these devices if interference is suspected.
- Do not operate this product if it has a damaged power cord, power supply or plug. If these components are worn or damaged, contact KCI.
- Do not drop or insert any object into any opening or tubing of this product.
- Do not connect this product or its components to devices not recommended by KCI.
- Do not modify the therapy unit or dressing. Do not connect the therapy unit or dressing to other devices being used.
- Use only PREVENA™ Dressings with this product.
- Keep this product away from heated surfaces.
- Equipment not suitable for use in presence of flammable anesthetic mixture with air, oxygen or nitrous oxide or in an environment in which the concentration of oxygen is: a) greater than 25% for ambient pressures up to 110 kPa; or b) the partial pressure of oxygen is greater than 27.5 kPa at ambient pressures exceeding 110 k.
- Avoid spilling fluids on any part of this product.
- Do not make any changes to the settings on the therapy unit without instructions from the treating physician.
- Small Parts - Choking Hazard
- The PREVENA PLUS™ Incision Management System is a medical device, not a toy. Keep away from children, pets and pests as they can damage the dressing and therapy unit and affect performance. Keep the therapy unit free of dust and lint as they can also damage the dressing and therapy unit and affect performance.

WARNING: The PREVENA PLUS™ 125 Therapy Unit has no serviceable parts and should not be opened, disassembled or otherwise modified by the user, and should be replaced as a unit. All assembly, operations, adjustments, modifications, maintenance and repairs must be carried out by qualified personnel authorized by KCI.

Electric Shock Hazard - Do not open any electrical cover on the therapy unit. There are no serviceable parts. Refer to qualified KCI service personnel.

Fluids remaining on the electronic controls can cause corrosion that may cause the electronic components to fail. Component failures may cause the unit to operate erratically, possibly producing potential hazards to patient and staff. If spills do occur, unplug the unit immediately and clean with an absorbent cloth. Ensure there is no moisture in or near the power connection and power supply components before reconnecting power. If the product does not work properly, contact KCI.
PREVENA PLUS™ 125 THERAPY UNIT ELECTROMAGNETIC COMPATIBILITY

The following are guidance and manufacturer’s declarations regarding EMC for the PREVENA PLUS™ 125 Therapy Unit.

- The PREVENA PLUS™ 125 Therapy Unit needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in the following pages.

**WARNING:** This equipment is intended for use by healthcare professionals only. As with all electrical medical equipment, this equipment may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take mitigation measures such as re-orienting or relocating the PREVENA PLUS™ 125 Therapy Unit or shielding the location.

- Portable and Mobile RF communications equipment, RFID readers, electronic article surveillance (anti-theft) equipment and metal detectors can affect the performance of the PREVENA PLUS™ 125 Therapy Unit. Please use the guidelines and recommendations specified in Tables 204 and 206.

- Other medical equipment or systems can produce electromagnetic emissions and therefore can interfere with the functionality of the PREVENA PLUS™ 125 Therapy Unit. Care should be taken when operating the PREVENA PLUS™ 125 Therapy Unit adjacent to or stacked with other equipment. If adjacent or stacked use is necessary, the PREVENA PLUS™ 125 Therapy Unit and the other equipment should initially be observed to verify normal operation in the configuration in which it will be used.

- The electrical cables, external power supplies and accessories listed or referenced in this manual have been shown to comply with the test requirements listed in the following tables. Care should be taken to use only manufacturer-recommended cables, power supplies and accessories with the PREVENA PLUS™ 125 Therapy Unit. If a third-party supplier offers cables, external power supplies and electrical accessories for use with the PREVENA PLUS™ 125 Therapy Unit and they are not listed or referenced in this manual, it is the responsibility of that third-party supplier to determine compliance with the standards and tests in the following tables.

- The use of electrical cables and accessories other than those specified in this manual or referenced documents may result in increased electromagnetic emissions from the PREVENA PLUS™ 125 Therapy Unit or decreased electromagnetic immunity of the PREVENA PLUS™ 125 Therapy Unit.

- Portable and mobile RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the PREVENA PLUS™ 125 Therapy Unit including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result. More precisely, the minimum recommended separation distance should be calculated from the equation applicable to the frequency of the transmitter, as noted in the guidance below.

- **NOTE:** This equipment has been tested and found to comply with the limits for medical devices to IEC 60601-1-2: 2014 4th edition. These limits and test levels are intended to provide reasonable safety with regard to electromagnetic disturbances when the device is used in a typical medical installation.
Guidance and Manufacturer’s Declaration - Electromagnetic Emissions

The PREVENA PLUS™ 125 Therapy Unit is intended for use in the electromagnetic environment specified below. The customer or the end user of the PREVENA PLUS™ 125 Therapy Unit should assure that it is used in such an environment.

<table>
<thead>
<tr>
<th>Emission Test</th>
<th>Compliance</th>
<th>Electromagnetic Environment - Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF emissions - CISPR 11 (Radiated &amp; Conducted)</td>
<td>Group 1</td>
<td>The PREVENA PLUS™ 125 Therapy Unit uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.</td>
</tr>
<tr>
<td>RF emissions - CISPR 11 (Radiated &amp; Conducted)</td>
<td>Class B</td>
<td>The PREVENA PLUS™ 125 Therapy Unit is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.</td>
</tr>
<tr>
<td>Harmonic emissions IEC 61000-3-2</td>
<td>Class A</td>
<td></td>
</tr>
<tr>
<td>Voltage fluctuations/flicker emissions IEC 61000-3-3</td>
<td>Complies</td>
<td></td>
</tr>
</tbody>
</table>
Table 202

**Guidance and Manufacturer’s Declaration - Electromagnetic Immunity**

The PREVENA PLUS™ 125 Therapy Unit is intended for use in the electromagnetic environment specified below. The customer or the end user of the unit should assure it is used only in such an environment.

<table>
<thead>
<tr>
<th>Immunity Test</th>
<th>EN/IEC 60601 Test Level</th>
<th>Compliance Level</th>
<th>Intended Electromagnetic Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrostatic discharge (ESD)</td>
<td>±8 kV contact</td>
<td>±8 kV contact</td>
<td>Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.</td>
</tr>
<tr>
<td>IEC 61000-4-2</td>
<td>±15 kV air</td>
<td>±15 kV air</td>
<td></td>
</tr>
<tr>
<td>Electrical fast transient/ burst</td>
<td>±2 kV for power supply lines</td>
<td>±2 kV for power supply lines</td>
<td>Mains power quality should be that of a typical commercial or home healthcare environment.</td>
</tr>
<tr>
<td>IEC 61000-4-4</td>
<td>100 kHz repetition frequency</td>
<td>100 kHz repetition frequency</td>
<td></td>
</tr>
<tr>
<td></td>
<td>±1 kV for input/ output lines</td>
<td>±1 kV for input/ output lines</td>
<td></td>
</tr>
<tr>
<td></td>
<td>100 kHz repetition frequency</td>
<td>100 kHz repetition frequency</td>
<td></td>
</tr>
<tr>
<td>Surge</td>
<td>±1 kV differential mode (line - line)</td>
<td>±1 kV differential mode (line - line)</td>
<td>Mains power quality should be that of a typical commercial or home healthcare environment.</td>
</tr>
<tr>
<td>IEC 61000-4-5</td>
<td>±2 kV common mode (line - earth)</td>
<td>±2 kV common mode (line - earth)</td>
<td></td>
</tr>
<tr>
<td>Voltage dips, short interruptions and voltage variations on power supply input lines</td>
<td>Dips: 0% Ut for 1 cycle 70% Ut for 25 cycles at 50 Hz or 30 cycles at 60 Hz Single phase: at 0° Interruptions: 0% Ut for 250 cycles at 50 Hz or 300 cycles at 60 Hz</td>
<td>Dips: 0% Ut for 1 cycle 70% Ut for 25 cycles at 50 Hz or 30 cycles at 60 Hz Single phase: at 0° Interruptions: 0% Ut for 250 cycles at 50 Hz or 300 cycles at 60 Hz</td>
<td>Product has internal battery backup.</td>
</tr>
<tr>
<td>IEC 61000-4-11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power frequency (50Hz/60Hz) magnetic field</td>
<td>30 A/m 50 Hz or 60 Hz</td>
<td>30 A/m 50 Hz or 60 Hz</td>
<td>Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or home healthcare environment.</td>
</tr>
<tr>
<td>IEC 61000-4-8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Ut is the A.C. mains voltage prior to application of the test level.
Table 204

**Guidance and Manufacturer’s Declaration - Electromagnetic Immunity**

The PREVENA PLUS™ 125 Therapy Unit is intended for use in the electromagnetic environment specified below. The customer or the end user of the unit should assure it is used in such an environment.

<table>
<thead>
<tr>
<th>Immunity Test</th>
<th>IEC 60601 Test Level</th>
<th>Compliance Level</th>
<th>Electromagnetic Environment Guidance</th>
</tr>
</thead>
</table>
| Conducted RF IEC 61000-4-6 | 3Vrms 150kHz to 80 MHz | 3Vrms 150kHz to 80 MHz | Portable and mobile RF communications equipment should be used no closer to any part of the PREVENA PLUS™ 125 Therapy Unit, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance
  
  \[ d = 1.2\sqrt{P} \]
  
  \[ d = 0.35\sqrt{P} \quad 80\text{MHz to } 800\text{MHz} \]
  
  \[ d = 0.7\sqrt{P} \quad 800\text{MHz to } 2.7\text{GHz} \]
  
  where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended minimum separation distance in meters (m).
  
  Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: ![Symbol]

<table>
<thead>
<tr>
<th>Radiated RF IEC 61000-4-3</th>
<th>6Vrms in ISM and amateur radio bands between 150 kHz and 80 MHz</th>
<th>6Vrms in ISM and amateur radio bands between 150 kHz and 80 MHz</th>
<th>NOTE 1: At 80MHz and 800MHz, the higher frequency range applies. NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from objects, structures and people.</th>
</tr>
</thead>
<tbody>
<tr>
<td>80% AM at 1kHz 10 V/m 80 MHz to 2.7 GHz 80% AM at 1kHz</td>
<td>80% AM at 1kHz 10 V/m 80 MHz to 2.7 GHz 80% AM at 1kHz</td>
<td>Field strengths from fixed RF transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the PREVENA PLUS™ 125 Therapy Unit is used exceeds the applicable RF compliance level above, the unit should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the PREVENA PLUS™ 125 Therapy Unit.</td>
<td></td>
</tr>
</tbody>
</table>
### Guidance and Manufacturer's Declaration - Electromagnetic Immunity

The PREVENA PLUS™ 125 Therapy Unit is intended for use in the electromagnetic environment specified below. The customer or the end user of the unit should assure it is used in such an environment.

<table>
<thead>
<tr>
<th>Test Frequency (MHz)</th>
<th>Band (MHz)</th>
<th>Service¹</th>
<th>Modulation²</th>
<th>Maximum Power (W)</th>
<th>Distance (m)</th>
<th>Immunity Test Level (V/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>385</td>
<td>380 - 390</td>
<td>TETRA 400</td>
<td>Pulse modulation¹ 18 Hz</td>
<td>1,8</td>
<td>0,3</td>
<td>27</td>
</tr>
<tr>
<td>450</td>
<td>430 - 470</td>
<td>GMRS 460, FRS 460</td>
<td>FM ±5 kHz deviation 1 kHz sine</td>
<td>2</td>
<td>0,3</td>
<td>28</td>
</tr>
<tr>
<td>710</td>
<td>704 - 787</td>
<td>LTE Band 13, 17</td>
<td>Pulse modulation² 217 Hz</td>
<td>0,2</td>
<td>0,3</td>
<td>9</td>
</tr>
<tr>
<td>810</td>
<td>800 - 960</td>
<td>GSM 800/900, TETRA 800, IDEN 820, CDMA 850, LTE Band 5</td>
<td>Pulse modulation² 18 Hz</td>
<td>2</td>
<td>0,3</td>
<td>28</td>
</tr>
<tr>
<td>1 720</td>
<td>1 700 - 1 990</td>
<td>GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3 4, 25; UMTS</td>
<td>Pulse modulation² 217 Hz</td>
<td>2</td>
<td>0,3</td>
<td>28</td>
</tr>
<tr>
<td>2 450</td>
<td>2 400 - 2 570</td>
<td>Bluetooth WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7</td>
<td>Pulse modulation² 217 Hz</td>
<td>2</td>
<td>0,3</td>
<td>28</td>
</tr>
<tr>
<td>5 240</td>
<td>5 100 - 5 800</td>
<td>WLAN 802.11 a/n</td>
<td>Pulse modulation² 217 Hz</td>
<td>0,2</td>
<td>0,3</td>
<td>9</td>
</tr>
</tbody>
</table>

**NOTE:** If necessary to achieve the Immunity Test Level, the distance between the transmitting antenna and the ME Equipment or ME System may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.

¹ For some services, only the uplink frequencies are included.

² The carrier shall be modulated using a 50% duty cycle square wave signal.

³ As an alternative to FM modulation, a 50% pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.
### Table 206

Recommended separation distances between portable and mobile RF communications equipment and the PREVENA PLUS™ 125 Therapy Unit

The PREVENA PLUS™ 125 Therapy Unit is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the PREVENA PLUS™ 125 Therapy Unit can help prevent electromagnetic interference by maintaining a minimum distance between the portable and mobile RF communications equipment (transmitters) and the unit as recommended below, according to the maximum output power of the communications equipment.

<table>
<thead>
<tr>
<th>Rated maximum output power of transmitter in watts (W)</th>
<th>Separation distance according to frequency of transmitter in meters (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>150 kHz to 80 MHz ( d = 1.2 \sqrt{P} )</td>
</tr>
<tr>
<td>0.01</td>
<td>.12</td>
</tr>
<tr>
<td>0.1</td>
<td>.38</td>
</tr>
<tr>
<td>1</td>
<td>1.2</td>
</tr>
<tr>
<td>10</td>
<td>3.8</td>
</tr>
<tr>
<td>100</td>
<td>12</td>
</tr>
</tbody>
</table>

For transmitters rated at a maximum output power not listed above, the recommended separation distance \( d \) in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where \( P \) is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

### INCLUDED POWER SUPPLIES

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Manufacturer</th>
<th>Max Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>44001674</td>
<td>Power Supply, 5V, 10W</td>
<td>Inventus Power</td>
<td>1.03 m</td>
</tr>
<tr>
<td>413628</td>
<td>Cord, V.A.C.* Power, US</td>
<td>Consolidated Wire</td>
<td>2.08 m</td>
</tr>
</tbody>
</table>

The use of electrical cables and accessories other than those specified in the supplied instructions for use or referenced documents may result in increased electromagnetic emissions from the PREVENA PLUS™ 125 Therapy Unit or decreased electromagnetic immunity of the PREVENA PLUS™ 125 Therapy Unit.
CUSTOMER CONTACT INFORMATION
For questions regarding this product, supplies, maintenance or additional information about KCI products and services, please contact KCI or a KCI authorized representative, or:

In the US call 1-800-275-4524 or visit www.acelity.com
Outside the US visit www.kci-medical.com

KCI USA, Inc. 12930 IH 10 West, San Antonio, TX 78249

PREVENA PLUS™ 125 THERAPY UNIT SPECIFICATIONS

Dimensions: 3.5” W x 6.4” H x 2.16” D (8.9 x 16.3 x 5.49 cm)
Weight (with empty canister attached): ~.64 lbs (~.29 kg)
Pressure: 125 mmHg (16.7 kPa)
Canister Volume: 150 mL

Electrical:
Battery Run Life: ~8.5 hours
Battery Charge Time: ~6 hours from a fully discharged state
External Power Supply Input: 100-240V AC 0.5A-0.3A 50 - 60 Hz
External Power Supply Output: 5V, 2.0 A
Patient and Enclosure Leakage Current: <100 Microamps

Environmental Conditions:

Storage/Transport Conditions
Temperature Range: 0°F (-18°C) to 140°F (60°C)
Relative Humidity Range: 0%-95% non-condensing

Operating Conditions
Temperature Range: 41°F (5°C) to 104°F (40°C)
Relative Humidity Range: 15% - 93% non-condensing
Atmospheric Pressure: 1060 hpa (-1253 ft/-381.9 m) to 700 hpa (9878 ft/3010 m)
Expected Service Life: 14.5 days

IEC Classification

Medical Equipment
Type BF, Applied Part
Class II
IP22 - Protection against solid objects greater than 12.5 mm and against liquid water falling for short periods of time.

The dressing components of the PREVENA PLUS™ 125 Incision Management System are considered Applied Parts under IEC 60601-1.

BIBLIOGRAPHY OF PUBLISHED STUDIES


SYMBOLS USED

 Refer to Clinician Guide
 Consult Instructions for Use

 IP22
 Ingress Protection
 No Bathing or Showering

 Sterile using radiation
 Lot Number

 Date of Manufacture
 Manufacturer

 Type BF applied part
 Use By

 Fragile
 Catalog Number

 Keep Dry
 Single Use Only

 MR Unsafe
 Tripping Hazard

 Do Not Resterilize
 Class II Device

 Content Information
 Temperature Limit

 Do not use if package is damaged or open
 Contains Phthalates (PREVENA PLUS™ Connector Tubing)

 Rx only
 CAUTION: Federal (US) law restricts this device to sale by or on the order of a physician.

 This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.