Description
3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing is used to cover and protect catheter
sites and to secure devices to the skin. It is available in a variety of shapes and sizes.

Tegaderm™ CHG I.V. Securement Dressing consists of a transparent adhesive dressing and an integrated gel
pad containing 2% w/w Chlorhexidine Gluconate (CHG), a well known antiseptic agent with broad spectrum
antimicrobial and antifungal activity.

The transparent film provides an effective barrier against external contamination including fluids (v bacteria, viruses* and yeast, and protects the LV. site.

In vitro testing log reduction and barrier testing) demonstrates that the Tegaderm[™] CHG gel pad in the Tegaderm[™] CHG IV. Securement Dressing has an antimicrobial effect against, and is a barrier to, a variety of gram-positive and gram-negative bacteria, and yeast in the dressing. The gel pad absorbes fluid.

*In vitro testing shows that the transparent film of the Tegaderm[™] CHG dressing provides a viral barrier from viruses 27 nm in diameter or larger while the dressing remains intact without leakage.

Tegaderm[™] CHG IV. Securement Dressing is transparent, allowing continual site observation, and is breathable, allowing good moisture vapor exchange.

Indications

Indications

3/M** Tegaderm** CHG Chlorhexidine Gluconate I.V. Securement Dressing can be used to cover and protect
catheter sites and to secure devices to skin. Common applications include securing and covering IV catheters
other intravascular catheters and percutaneous devices.

other intravascular catheters and percutaneous devices. Tegaderm¹² CHG IV. Securement Dressing is intended to reduce vascular catheter colonization catheter-related bloodstream infections (CRBS) in patients with central venous or arterial cath

- Warnings

 DO NOT USE TEGADERM™ CHG IV. SECUREMENT DRESSING ON PREMATURE INFANTS OR INFANTS YOUNGER THAN 2 MONTHS OF AGE. USE OF THIS PRODUCT ON PREMATURE INFANTS MAY RESULT IN HYPERSENSITIVITY REACTIONS OR NECROSIS OF THE SKIN.

 FOR EXTERNAL USE ONLY. DO NOT ALLOW THIS PRODUCT TO CONTACT EARS, EYES, MOUTH OR MUCOUS MEMBRANES.
- THE SAFTY AND EFFECTIVENESS OF TEGADERM™ CHG I.V. SECUREMENT DRESSING HAS NOT BEEN ESTABLISHED IN CHILDREN UNDER 18 YEARS OF AGE.

 DO NOT USE TEGADERM™ CHG I.V. SECUREMENT DRESSING DIRECTLY OVER BURN INJURY.

■ DO NOT USE TEGADERM™ CHG IV. SECUREMENT DRESSING DIRECTLY OVER BURN INJURY.
■ DO NOT USE THIS PRODUCT ON PATIENTS WITH KNOWN MYPERSENSITIVITY TO CHLORHEXIDINE GLUCONATE THE USE OF CHLORHEXIDINE GLUCONATE CONTAINING PRODUCTS HAS BEEN REPORTED TO CAUSE IRRITATIONS, SENSITIZATION, AND GENERALIZED ALLERGIC REACTIONS.
Hypersensitivity reactions associated with topical use of Chlorhexidine Gluconate have been reported in several countries. The most serious reactions (including anaphylaxis) have occurred in patients treated with lubricants containing Chlorhexidine Gluconate, which were used during urinary tract procedures. Preparations of this type are not approved for sale in the U.S. under any circumstances. Caution should be taken when using Chlorhexidine Gluconate containing preparations, and the patient should be observed for the possibility of hypersensitivity reactions.

IF ALLERGIC REACTIONS OCCUR, DISCONTINUE USE IMMEDIATELY, AND IF SEVERE, CONTACT A PHYSICIAN.

Caution: Federal Law restricts the device to sale by or on the order of a licensed health care profes

Precautions

Precautions
3M**Tegaderm** CHG I.V. Securement Dressing should not be placed over infected wounds. This device is not intended to treat catheter-related bloodstream infections (CRSSI) or other percutaneous device-related infection Any active bleeding at the insertion site should be stabilized before applying the dressing. Do not stretch the dressing during application. Mechanical skin trauma may result if dressing is applied with tension. The skin should be clean, dry and free of detergent residue. Allow all preps and protectants to dry completely before applying the dressing to prevent skin irritation and to ensure good adhesive.

Defore applying the dressing to prevent skin irritation and to ensure good adhesion.

Clinical Trial Results

3M Tegaderm CHG Chlorhexidine Gluconate I.V. Securement Dressing is supported by a randomized, multi-arm, controlled clinical trial consisting of 1267 subjects with 4,83 central venous and arterial catheters conducted at 11 hospitals in France (12 (CUs). This trial found that the addition of 3M Tegaderm CHG Chlorhexidine Gluconate at 11 hospitals in France (12 (CUs). This trial found that the addition of 3M Tegaderm CHG Chlorhexidine Gluconate in Catheter colonization and catheter-related infections. The full study details are available in Timatis I.F et al. Rondomized controlled driol of chlorhexidine dressing and highly adhesive dressing for preventing cotheter-related infections in critically its double and Cottage (2012;18(12): 1272-1278.

The Timatis study defined a catheter-related bloodstream infection (CRSS)) as:

The Timist study defined a catheter-related bloodstream infection (CR8SI) as:

"CR85I was a combination of (3) one or more positive peripheral blood cultures sampled immediately beforeor within 48 hours after catheter removal; (b) a positive quantitative catheter-tip culture positive (using the
1,000 CPL/ml threshold when vortexing technique was used or 100 CPL/ml threshold when vortexing technique was used or 100 CPL/ml threshold when positive blood
was used) for the same microorganisms (same species and same susceptibility pattern) or a sometime of the same microorganisms (same species and same susceptibility pattern) or a sometime or a same susceptibility pattern or a same positive blood
cultures. In patients with blood cultures positive for cosquisae-negative staphylococci, the same pulse-field gel
electrophoresis patterns in the catheter tip and blood cultures was required for a disgnosis of CR8SI."

Utilizing the definition of CR8SI described in the Timsit et al. (2012) publication, the study authors found that a
dressing containing CHG (is. regaderm CHG Securement Dressing), reduced the risk of CR8SI by 57% compar
to dressing swithout CHG (control). The following results were obtained:

Control Group (non CHG dre		Test Group (Te I.V. Securemen	gaderm™ CHG nt Dressing)	Comparison		P-value
Patients with Infection	Infections per 1000 Catheter Days	Patients with Infection	Infections per 1000 Catheter Days	Percent Reduction in Patients with Infections	Percent Reduction per 1000 Catheter Days	
2.2% (21/941)	1.29	0.96% (9/938)	0.52	57%	60%	0.020

It should be noted that the Timsit definition differs from the CRBSI definition published by the Infectious Diseases Society of America (IDSA). See below for the IDSA definition. As a sensitivity analysis for the Timsit study results, the data was re-analyzed applying the Infectious Diseases Society of America (IDSA) 2009 guidelines, Clinical Practice Guidelines for the Diagnosis and Management of Introvacualer Catheter-Related Infections. 2009 Update by the Infectious Diseases Society of America. In a re-analysis of all 31 CRBSI cases, each subject was reviewed to determine whether they fully satisfied criteria for CRBSI per the IDSA Guidelines.

The IDSA 2009 guidelines use the following definition for CRBSI:

"Catheter related Bactermia or fungemia in a patient who has an intravascular device and >1 positive blood culture result obtained from the peripheral vein, clinical manifestations of infection (e.g., fever, chills, and/ or hypotension), and no apparent source for bloodstream infection (with the exception of the catheter). One of the following should be present: a positive result of semiquantitative (*156 cfu per catheter segment) or quantitative (*102 cfu per catheter segment) catheter culture, whereby the same organism (species) is isolated from a catheter segment and a peripheral blood culture; similateneous quantitative cultures cultures of blood with a ratio of *251 cfu/fm. Lo blood (catheter vs. peripheral blood); differential time to positivity (growth in a culture of blood obtained through a catheter hub is detected by an automated blood culture system at least 2 h earlier than a culture of simultaneously drawn peripheral blood of equal volume)."

The following results were obtained from the re-analysis with the IDSA guideline

Control Group (non CHG dressing)		Test Group (Tegaderm™ CHG I.V. Securement Dressing)		Comparison		P-value
Patients with Infection	Infections per 1000 Catheter Days	Patients with Infection	Infections per 1000 Catheter Days	Percent Reduction in Patients with Infections	Percent Reduction per 1000 Catheter Days	
1.7% (16/941)	0.94	0.85% (8/938)	0.46	50%	51%	0.095

Instructions for Use Failure to follow the mar

nufacturer's instructions for use may result in complications including skin irritation and/

Dressing Selection Choose a dressing larg

Choose a dressing large enough to provide at least one-inch margin of adherence on dry, healthy skin around the catheter site. The dressing notch of 1657 has perforations that can be opened to conform around large catheters or other devices.

The Preparate half according to institution protocol. Clipping of hair at site may improve dressing adhesion. Shat is not recommended. The skin should be clean, dry and free of detergent residue. Allow all preps and protect to dry completely before applying the dressing to prevent skin irritation and to ensure good adhesion. Any active bleeding at insertion site should be stabilized before applying the dressing.

Application

- 1. Open package and remov., sterile dressing.
 2. Peel liner from dressing, exposing adhesive surface.
- 2. reas man from dreams, exposing during application to reduce the risk of mechanical skin trauma.

 3. Avoid stretching the dressing during application to reduce the risk of mechanical skin trauma.

 4. Center the gel pad over the catheter insertion site. Apply firm pressure to entire dressing starting in the center to the outer frame edges to enhance adhesion.

 5. Slowly remove frame while smoothing down transparent film dressing edges.
- 6. Smooth the transparent film dressing from the center towards the dressing edges, using firm pressure to enhance adhesion.
- A After design has been applied, apply the sterile tape strip(s) to further secure IV tubing or to stabilize catheter. Refer to figures on packaging.

 8. Document dressing change information on label according to facility protocol. Remove label from frame and place on dressing.

- Site Care

 1. The site should be observed daily for signs of infection or other complications. If infection is suspected, remove the dressing, inspect the site directly, and determine appropriate medical intervention. Infection may be signaled by fraver, pain, redness, swelling, or unusual odor or discharge.

 2. Inspect the dressing daily and change the dressing as necessary, in accordance with facility protocol. Dressing changes should occur at least every 7 days, per current CDC recommendations and may be needed more frequently with highly evuidative sites or if integrity to the dressing is compromised.

 The Tegaderm** CHG IV Securement Dressing should be changed as necessary:

 4. If the dressin becomes loose, solided or compromised in any way.

- . If the dressing becomes loose, soiled or compromised in any way
- If the site is obscured or no longer visible
 If there is visible drainage outside the gel pad
- . If the dressing appears to be saturated or overly swollen
- *Note: To test the dressing is fully saturated, lightly press down on a corner of the gel pad with your finger. If the gel pad remains displaced once your finger is removed, the dressing should be changed.

 Note: Tegaderm™ CHG gel pad is not designed to absorb large quantities of blood or fluid.

- Note: Tegaderm™ CHG gel pad is not designed to absorb large quantities or union or interest.

 Removal

 Stabilize catheter during removal of the 3M™ Tegaderm™ CHG LV. Securement Dressing

 1. Remove documentation label and securement tape strip(b) from top of dressing.

 2. Using a low and slow removal technique, start removing the dressing from where the catheter or tubing exits the dressing toward the catheter insertion site. Avoid skin trauma by peeling the dressing back, rather than pulling it up from the skin.

 3. When the CHG gel pad is exposed, grasp a corner of the gel pad and the transparent film dressing between thumb and finger.

 4. If needed, sterile alcohol swabs or wipes, or sterile solutions (i.e., sterile water or normal saline) may be applied between gel pad and skin to facilitate removal of the gel pad dressing, if needed, a medical adhesive solvent can be used to help remove the dressing border.

 5. Continue the low and slow removal method until the dressing is completely removed.

 Shelf Life and Storage Information: For best results, store in a cool, dry place. For shelf life, refer to the expiration date on the package. Starility of the dressing is guaranteed unless individual package is damaged or open. For additional information visit www.3M.com/tegadermchg

Catalog #	Dressing Size	Average Amount of CHG per Dressing (mg based on gel pad size)
1657	8.5 cm x 11.5 cm (3-1/2 X 4-1/2 in)	45
1658	10 cm X 12 cm (4 X 4-3/4 in)	45
1659	10 cm x 15.5 cm (4 X 6-1/8 in)	78
1660	7 cm x 8.5 cm (2 3/4 in. x 3 3/8 in.)	15
1877	8.5 cm x 11.5 cm (3 1/2 × 4 1/2 in)	45
1879	10 cm x 15.5 cm (4 × 6 1/8 in)	78

If you have any questions or comments, in the USA please contact the 3M Health Care Customer Help line at 1-800-228-3957.

In Canada, contact 3M Canada Company, P.O. Box 5757, London, Ontario, N6A 4T1, 1-800-364-3577.

For further information outside the United States, contact your local 3M representative or contact us at www.3M. com and select your country.

Symbol Title	Symbol	Description and Reference
Manufacturer		Indicates the medical device manufacturer as defined in Medical Device Regulation (EU) 2017/745 formerly EU Directive 93/42/EEC. Source: ISO 15223, 5.1.1
Date of Manufacture	m	Indicates the date when the medical device was manufactured. Source: ISO 15223, 51.3
Use-by date	2	Indicates the date after which the medical device is not to be used. Source: ISO 15223, 5.1.4
Batch code	LOT	Indicates the manufacturer's batch code so that the batch or lot can be identified. Source: ISO 15223, 5.1.5
Sterilized using ethylene oxide	STERMAÇÃO	Indicates a medical device that has been sterilized using ethylene oxide. Source: ISO 15223, 5.2.3
Do not resterilize	8	Indicates a medical device that is not to be resterilized. Source: ISO 15223, 5.2.6
Do not use if package is damaged or open	9	Indicates a medical device that should not be used if the package has been damaged or opened. Source: ISO 15223, 5.2.8
Do not re-use	8	Indicates a medical device that is intended for one use or for use on a single patient during a single procedure. Source: ISO 15223, 5.4.2
Caution	Δ	Indicates the need for the user to consult the instructions for use for important cautionary information such as warnings and precautions that cannot, for a variety of reasons, be presented on the medical device itself. Source: ISO 15223, 5.4.4
Natural rubber latex is not	翠	Indicates natural rubber or dry natural rubber latex is not present as a material of construction within the medical device or the packaging of a medical device. Source: ISO 15223. 54.5 and Annex B

For more information see, HCBGregulatory.3M.com

Made in USA with Globally Sourced Materials 2510 Conway Ave. St. Paul, MN 55144 USA 1-800-228-3957 (USA Only) 3M.com/Tegaderm 3M.com/Patents 3M and Tegaderm are trademarks of 3M. © 2020, 3M. All rights reserved. Issue Date: 2018-12