

Science. Applied to Life.™

Solutions you need to secure and protect

<text>

Every I.V. site presents the potential for infection, dislodgement, skin damage, and other complications. These complications can potentially cause patient discomfort and pain, extended hospital stays, additional therapy, and surgical intervention—even increased patient mortality.

3M Science has allowed for unique innovations that give you what you need to protect every I.V. catheter—from insertion to removal.

Our broad portfolio of high-quality products makes it easy for you to choose and use the right products: from hand hygiene, skin preps and barrier films to securement devices, transparent dressings, and disinfecting caps.

We can help you deliver compassionate care with evidence-based products to protect patient and clinician safety, help prevent the risks of costly complications, and improve patient satisfaction.

Antimicrobial	Catheter
Protection	Securement
Bacterial and	Skin
Viral Barrier	Protection

Antimicrobial Protection

Protect your most vulnerable patients

In the U.S., central venous catheters may cause an estimated 80,000 Catheter-Related Bloodstream Infections (CRBSIs) and 28,000 deaths in ICU patients each year. The average cost of care for each patient with a CRBSI may be \$45,000 with an estimated \$2.3 billion annual cost to the U.S. healthcare system.¹

Tegaderm™

Chlorhexidine Gluconate (CHG) I.V. Securement Dressing

Protect against extraluminal contamination

3M[™] Tegaderm[™] Chlorhexidine Gluconate I.V. Securement Dressing with an integrated antimicrobial CHG gel pad helps reduce the risk of contamination from flora on the surface of the skin.³

CULOS Disinfecting Port Protectors

Protect against intraluminal contamination

3M[™] Curos[™] Disinfecting Port Protectors disinfect and protect needleless connectors and male-luer devices to help reduce the risk of contaminants from entering the catheter post-insertion.

Sources of CRBSIs

Microbes that cause CRBSIs have multiple access points. They can be caused by extraluminal contamination (bacteria originating on the surface of the skin and diffusing along the outside of the catheter) and intraluminal contamination (bacteria diffusing through a catheter lumen).²

Sources of CRBSIs 60% 10%

	Central Venous Catheters						Peripheral Catheters			Specialty Catheters	
3M Product	CVC Jugular	CVC Subclavian	CVC Femoral	CVC Tunnelled	PICC	Port	PIV	Arterial	Midline	Epidural	Dialysis
3M [™] PICC/CVC Securement Device + Tegaderm [™] CHG I.V. Securement Dressing	1877–2100										
3M [™] Tegaderm [™] Chlorhexidine Gluconate (CHG) I.V. Securement Dressing	1657					1660			1657		
3M [™] Tegaderm [™] CHG Chlorhexidine Gluconate I.V. Port Dressing						1665					
3M [™] Curos [™] Disinfecting Port Protectors	Curos [™] Caps and Tips are intended for use on commonly used needleless connectors and male-luer devices.					CTG1-270					

3M[™] PICC/CVC Securement Device + Tegaderm[™] CHG I.V. Securement Dressing





3M[™] Tegaderm[™] CHG Chlorhexidine **Gluconate I.V. Port Dressing**

3M[™] Curos[™] Disinfecting **Caps and Tips**



	SM CUROS Management Ma	
-		CUCOS CUCOS Management of the second Cucos Cuco



For added protection

3M[™] Avagard[™] (Chlorhexidine Gluconate 1% Solution and Ethyl Alcohol 61% w/w) Surgical and Healthcare Personnel Hand Antiseptic with Moisturizers combines alcohol for fast, immediate broad spectrum kill of transient microorganisms and reduction of resident flora and chlorhexidine gluconate for persistent and cumulative activity.4

3M[™] Tegaderm[™] Chlorhexidine Gluconate (CHG) I.V. Securement Dressing

1660

All antimicrobial I.V. securement dressings are safe to be worn up to 7 days and provide:

- CHG antimicrobial protection
- Secure adhesion
- Gentle removal
- Site visibility
- Bacterial and viral barrier*
- Breathability
- Easy application
- Patient comfort and mobility



* *in vitro* testing shows that transparent film provides a viral barrier from viruses 27nm in diameter (e.g. HCV) or larger (e.g. HBV and HIV) while the dressing remains intact without leakage.

Catheter **Securement**

Security matters to you and your patients

Providing exceptional I.V. site care is a tough job. You're expected to ensure I.V. sites are stable and secure, manage the risks of healthcare-acquired infections, provide a positive patient experience, and keep an eye on the bottom line.

The Centers for Disease Control and Prevention (CDC) Guidelines for the Prevention of Intravascular Catheter-Related Infections, 2011 and The Infusion Nurses Society (INS) Infusion Therapy Standards of Practice, 2016, recommend the use of a catheter stabilization device for all I.V. catheters.^{5,6} Catheter stabilization devices help secure and preserve the integrity of devices, minimize movement, prevent catheter dislodgement and may reduce the risk of infection for intravascular catheters.



- Secure adhesion
- Gentle removal
- Site visibility
- Bacterial and viral barrier*
- Breathability
- Easy application
- · Patient comfort and mobility

* in vitro testing shows that transparent film provides a viral barrier from viruses 27nm in diameter (e.g. HCV) or larger (e.g. HBV and HIV) while the dressing remains intact without leakage.

3M[™] Tegaderm[™] I.V. Advanced Securement Dressing

3M[™] Tegaderm[™] I.V. Advanced Securement Dressings include a deep notch, stabilization border, and dual adhesive technology to provide the comfort and protection your patients deserve. These dressings meet the CDC and INS definitions as a catheter securement or stabilization device.^{5, 6}

3M[™] PICC/CVC Securement System

Choose 3M[™] PICC/CVC Securement Device + Tegaderm[™] I.V. Securement Dressing if your facility protocol requires a separate stabilization device, or for more active patients and other situations requiring the highest level of catheter securement. The 3M[™] PICC/CVC Securement Systems were designed to minimize catheter migration and dislodgement complications yet remove gently, without causing patients undue pain or distress.^{7,8}

In vivo testing comparing the mean pull force required to dislodge an inserted CVC catheter with various securement devices, showed the 3M[™] PICC/CVC Securement Systems could withstand significantly higher pull force (more than 1.5 times more than sutures) than a Competitive Securement Dressing or sutures.⁷

	Central Venous Catheters					Peripheral Catheters			Specialty Catheters			
3M Product	CVC Jugular	CVC Subclavian	CVC Femoral	CVC Tunnelled	PICC	Port	PIV	Arterial	Midline	Epidural	Dialysis	Pediatric
3M [™] PICC/CVC Securement Device + Tegaderm [™] I.V. Advanced Securement Dressing	1837-2100											
3M [™] Tegaderm [™] I.V. Advanced Securement Dressing	1685						1683		16	85	1682	

3M[™] PICC/CVC Securement Device + Tegaderm[™] I.V. **Advanced Securement Dressing**

3M[™] Tegaderm[™] I.V. Advanced Securement Dressing





Mean pull force required to dislodge inserted CVC catheter⁷



Bacterial and Viral Barrier

An excellent alternative to tape and gauze

3M[™] Tegaderm[™] Transparent Film Dressings consist of a thin, semi-permeable film backing that is occlusive to liquids, bacteria and viruses,* vet water vapor. oxygen and carbon dioxide can easily be exchanged. The sterile film includes a hypoallergenic adhesive, that is not made with natural rubber latex, that enables long wear time and full site visibility to minimize unnecessary dressing changes.

For accessed implanted ports or the incisions of newly implanted ports, protect the site with 3M[™] Tegaderm[™] I.V. Transparent Film Dressing with Adhesive-Free Window, minimizing the risk of needle movement during dressing removal and adhesive contact with the skin.

Added protection for moist conditions

3M[™] Tegaderm[™] Diamond Pattern and 3M[™] Tegaderm[™] HP (Holding Power) Transparent Film Dressings have a special adhesive for greater holding power in humid conditions or with diaphoretic patients.

Peripheral Catheters **Central Venous Catheters Specialty Catheters** CVC Subclavi CVC Jugular Arterial Dialysis CVC Femor 0 C C CVC ۶ **3M Product** 3M[™] Tegaderm[™] I.V. Transparent Film Dressing 1668 with Adhesive-Free Window 3M[™] Tegaderm[™] Transparent Film Dressing 1626W 1624W 1626W 1626W 3M[™] Tegaderm[™] Diamond Pattern Film 1686 1684 1686 1686 Transparent Dressing 3M[™] Tegaderm[™] HP (Holding Power) 9536HP 9534HP 9536HP 9536HP Transparent Film Dressing

3M[™] Tegaderm[™] I.V. Transparent Film Dressing with Adhesive-Free Window



1668





1624W

All Tegaderm[™] brand transparent film dressings are safe to be worn up to 7 days and provide:

- Bacterial and viral barrier*
- Site visibility
- Breathability
- Easy application
- Patient comfort and mobility

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

3M[™] Tegaderm[™] Diamond Pattern Film Transparent Dressing

3M[™] Tegaderm[™] HP Transparent Film Dressing



1686



9534HP

Skin **Protection**

Take a proactive approach to skin health

Maintenance of healthy skin around a vascular access device is critical to reducing the risk of infection, maintaining a securement dressing or device, and patient comfort. Although Medical Adhesive-Related Skin Injuries (MARSI) can be a prevalent and serious complication, they do not need to be an inevitable part of the patient experience. Skin integrity can be maintained even when repeated dressing changes are required. Preparation of the skin and selection of proper adhesives are the first steps to help minimize the risks of MARSI.⁹

Protecting the skin

3M[™] Cavilon[™] No Sting Barrier Film forms a protective coating between the skin and the adhesive of the securement dressing, device or tape to help prevent MARSI. When an adhesive product is removed from the skin, Cavilon No Sting Barrier Film is removed instead of skin cells.

- The original alcohol-free barrier film
- CHG-compatible; available in 1ml and 3ml wands with a sterile peel-open package to allow aseptic technique¹⁰
- Over 60 pieces of clinical evidence support its efficacy and cost-effectiveness¹¹

Selecting the right tape for tubing securement

3M[™] Medical Tapes provide a variety of backings and adhesives that allow you to select the most appropriate adhesive product based on its intended purpose. To help reduce the risk of cross contamination among patients, 3M offers many of its tapes in single-patient use rolls.¹²⁻¹⁴

	3M [™] Kind Removal Silicone Tape	3M [™] Transpore [™] White Surgical Tape	3M [™] Medipore [™] H Soft Cloth Surgical Tape
For secondary securement of light tubing	For fragile skin	\checkmark	\checkmark
Available in single-patient use rolls	1", 2"	1", 2"	2," 4"





Clinical Need	Product	Product Number	CHG Gel Pad Size	Overall Dressing Size	Units/ Box	Boxes/ Case						
	3M [™] PICC/C	VC Securen	nent Device + Tegaderm [™] CHG	I.V. Securement Dressing								
	<u>9</u> 9	1877-2100	1½ in x 1¾ in 3 cm x 4 cm	3½ in x 4½ in 8,5 cm x 11,5 cm	20	4						
	<u> </u>	1879-2100	1½ in x 2⅓ in 3 cm x 7 cm	4 in x 6 1/8 in 10 cm x 15,5 cm	20	4						
	3M [™] Tegade	rm [™] Chlorhe	xidine Gluconate (CHG) I.V. Se	curement Dressing								
		1657	1½ in x 1‰ in 3 cm x 4 cm	3½ in x 4½ in 8,5 cm x 11,5 cm	25	4						
		1658	1½ in x 1¾ in 3 cm x 4 cm	4 in x 4 ¾ in 10 cm x 12 cm	25	4						
		1659	1½ in x 2 ⅔ in 3 cm x 7 cm	4 in x 6 ¼ in 10 cm x 15,5 cm	25	4						
Antimicrobial Protection		1660	⁴⁄₅ in x ⁴⁄₅ in 2 cm x 2 cm	2¾ in x 3¾ in 7 cm x 8,5 cm	25	4						
	3M [™] Tegade	3M [™] Tegaderm [™] CHG Chlorhexidine Gluconate I.V. Port Dressing										
		1665	27/16 in x 1 ¹⁵ /16 in 6,2 cm x 4,9 cm	4¾ x 4¾ in 12 cm x 12 cm	25	4						
	Curos [™] Disin	fecting Cap	s and Tips									
	20	CFF1-270	3M [™] Curos [™] Disinfecting Cap	os for Needleless Connectors	270	20						
		CFF10-250	3M [™] Curos [™] Disinfecting Cap S	25 strips 10 per strip	20							
	-1111	CM5-200	3M™ Curos Tips™ Disinfecti	40 strips 5 per strip	10							
	Ť	CTG1-270	3M [™] Curos [™] Disinfecting Cap for	270	8							
		CFJ1-270	3M [™] Curos Jet [™] Disinfecting C	Cap for Needleless Connectors	270	20						
	CFJ5-250 3M [™] Curos Jet [™] Disinfecting Cap Strip for Needleless Connectors											
	3M [™] PICC/C	VC Securen	nent Device + Tegaderm [™] I.V. A	dvanced Securement Dressing	J							
	<u> 9</u> 0	1837-2100		31⁄₂ in x 41∕₂ in 8,5 cm x 11,5 cm	20	4						
	99	1839-2100		4 in x 6 1⁄₀ in 10 cm x 15,5 cm	20	4						
	3M [™] Tegade	rm [™] I.V. Adva	nced Securement Dressing									
	, ,	1680		1½ in x 1¾ in 3,8 cm x 4,5 cm	100	4						
Catheter		1682		2 in x 2¼ in 5,0 cm x 5,7 cm	100	4						
Securement		1683		2½ in x 2¾ in 6,5 cm x 7 cm	100	4						
		1685		3½ in x 4½ in 8,5 cm x 11,5 cm	50	4						
		1688		4 in x 4¾ in 10 cm x 12 cm	50	4						
		1689		4 in x 6 ⅓ in 10 cm x 15,5 cm	25	4						
	3M [™] Tegader	m [™] IV Secur	ement Dressing Designed for t	he BD Nexiva [™] Closed IV Cathe	eter System							
		9525HP		2½ in x 2¾ in 6,5 cm x 7 cm	100	4						

Clinical Need	Product	Product Number	Size	Units/ Box	Boxes/ Case				
	3M [™] Tegaderm	n [™] Diamond F	Pattern Film Dressing						
		1679	4 in x 4½ in 10 cm x 11,5 cm	50	4				
		1684	2% in x 2¾ in 6 cm x 7 cm	100	4				
		1686	4 in x 4 ¾ in 10 cm x 12 cm	50	4				
	3M [™] Tegaderm	n™ HP (Holdir	ng Power) Transparent Film Dressing Frame Style						
		9534HP	2¾ in x 2¾ in 6 cm x 7 cm	100	4				
		9536HP	4 in x 4 ¾ in 10 cm x 12 cm	50	4				
Bacterial and Viral Barrier		9546HP	4 in x 4½ in 10 cm x 11,5 cm	50	4				
	3M [™] Tegaderm	n [™] I.V. Transp	arent Film Dressing with Adhesive-Free Window						
		1668	4¾ in x 4¾ in 12 cm x 12 cm	25	4				
	3M [™] Tegaderm	n [™] Transpare	nt Film Dressing Frame Style		1				
		1622W	1¾ in x 1¾ in 4,4 cm x 4,4 cm	100	4				
		1624W	2¾ in x 2¾ in 6 cm x 7 cm	100	4				
		1626W	4 in x 4 ¾ in 10 cm x 12 cm	50	4				
	Q	1630	4 in x 4½ in 10 cm x 11,5 cm	50	4				
	3M [™] Cavilon [™]	No Sting Bar	rier Film						
	K . 000	3343	1.0mL Wand	25	4				
	Cavior Billion	3344	1.0mL Wipe	25	4				
		3345	3 Oml Wand	25					
	3M [™] Kind Rem	oval Silicone		23	7				
		2770-1	Standard Roll 1 in x 55 vd 2 5 cm x 5 m	12	10				
		2770-2	Standard Roll 2 in x 55 vd 5.0 cm x 5 m	6	10				
		27705-1	Single-Patient Use Roll 1 in x 1% vd 2.5 cm x 1.3 m	100	5				
		27705-2	Single-Patient Use Roll 2 in x 1% vd 50 cm x 1.3 m	50	5				
Skin Protection	2/705-2 Single-Patient Use Koll 2 in x 1½ yd 5,0 cm x 1,3 m 50 5 3M [™] Transpore [™] White Surgical Tape								
		1534-1	Standard Roll 1 in x 10 vd 2.5 cm x 9.1 m	12	10				
		1534-2	Standard Roll 2 in x 10 vd 5 cm x 9.1 m	6	10				
		1534S-1	Single-Patient Use Roll 1 in 1½ yd 2,5 cm 1,37 m	100	5				
		15345-2	Single-Patient Use Roll 2 in x 1½ vd 5 cm x 1.37 m	50	5				
	3M [™] Medipore	™ H Soft Clo	th Surgical Tape						
		2863	Standard Roll 3 in x 10 vd 7 6 cm x 9 1 m	12	1				
		2864	Standard Roll 4 in x 10 vd 10.1 cm x 9.1 m	12	1				
		28645	Single-Patient Use Roll 4 in x 2 vd 10.1 cm x 1.8 m	24	1				
		20010		'	•				

- 1. Pronovost P, Needham D, Berenholtz S, et al. An intervention to decrease catheter-related bloodstream infections in the ICU. *N Engl J Med.* 2006; 355(26): 2725.
- 2. Mermel LA. Prevention of Intravascular Catheter-Related Infections. Ann Intern Med. 2000; 132:391-402.
- 3. Maki DG. A Novel Integrated Chlorhexidine-Impregnated Transparent Dressing for Prevention of Vascular Catheter-related Bloodstream Infection: A Prospective Comparative Study in Healthy Volunteers. SHEA, April 2008.
- 4. 3M Data on file (#7838, #7939, #7771).
- Centers for Disease Control and Prevention. Guidelines for the Prevention of Intravascular Catheter-Related Infections, 2011. Available at: http:// www.cdc.gov/hicpac/pdf/guidelines/bsi-guidelines-2011.pdf
- Gorski L, Hadaway L, Hagle ME, McGoldrick M, Orr M, Doellman D. Infusion Therapy Standards of Practice. *J Infus Nurs*. 2016; 39(suppl 1):S1-S159.
- 7. Rutledge LF, DeCabooter DP, Walters SA, Bernatchez SF. Catheter securement systems: comparison of two investigational devices to a sutureless securement device, a securement dressing, and sutures in a pig model. *Intensive Care Med Exp.* 2015; 3: 24.

- 8. 3M Data on file (#12858).
- McNichol L, Lund C, Rosen T, Gray M. Medical Adhesives and Patient Safety: State of the Science. *Journal Wound Ostomy Continence Nursing*. 2013; 40(4): 365-380.
- 10. 3M Data on file (#005732).
- 3M Health Care. 3M[™] Cavilon[™] No String Barrier Film. Clinical Evidence Summaries. 2012.
- 12. Federal Register Vol. 72, No. 73 Rules and regulations (73 FR 20373 4/15/2008).
- Walters M, Lonsway D, Rasheed K, Albrecht, V, McAllister, S, Limbago B, Kallen A. Investigation and Control of Vancomycin-resistant *Staphylococcus aureus:* A Guide for Health Departments and Infection Control Personnel. Atlanta, GA 2015. Available at: http://www.cdc.gov/ hai/pdfs/VRSA-Investigation-Guide-05_12_2015.pdf
- 14. Single-Patient Rolls of Medical Tapes Reduce Cross Contamination Risk. Love K. Infection Control Today. 2013; January; Vol. 17, No. 1.

To learn more about how 3M can help you and your facility protect clinician and patient safety, prevent costly I.V. site complications, and improve patient satisfaction, contact your 3M Critical & Chronic Care Solutions representative or call the 3M Health Care Customer Helpline at 1-800-228-3957. Outside of the United States, contact the local 3M subsidiary.

For more information, go to 3M.com/C3SD

About 3M

At 3M, we apply science in collaborative ways to improve lives daily. With \$30 billion in sales, our 90,000 employees connect with customers all around the world. Learn more about 3M's creative solutions to the world's problems at www.3M.com or on Twitter @3M or @3MNewsroom.



Critical & Chronic Care Solutions Division 3M Health Care 2510 Conway Avenue St. Paul, MN 55144 USA

Phone 1-800-228-3957 Web 3M.com/C3SD **3M Canada** P.O. Box 5757 London, Ontario N6A 4T1 Canada

Phone 1-800-364-3577 Web 3M.ca/HealthCare Please recycle. Printed in U.S.A. © 3M 2015, 2016. All rights reserved. 3M, Avagard, Cavilon, Curos, Durapore, Medipore, Tegaderm and Transpore are trademarks of 3M. 70-2011-5739-6