

3M Science.
Applied to Life.™

Securement without sacrifice

3M™ Tegaderm™ PICC/CVC Securement Systems



Reliable securement without sacrificing patient comfort

Reliable securement of Peripherally Inserted Central Catheters (PICCs) and Central Venous Catheters (CVCs) is critical in avoiding the clinical, emotional and financial costs of complications.

Traditional securement devices can be difficult and painful to apply and remove, whilst sutures can be uncomfortable for patients, may cause an inflammatory response and may increase the risk of infection. Needlestick injuries (NSIs) from suturing can lead to a significant burden on hospitals and clinicians.

Building on over 30 years of experience collaborating with clinicians to simplify and improve I.V. site care, 3M designed a securement system that provides reliable securement without sacrificing patient comfort.⁵



3M™ Tegaderm™ PICC/CVC Securement Device + CHG (Chlorhexidine Gluconate) I.V. Securement Dressing

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

Convenient 'all-in-one' device + dressing system

- ▶ Integral dressing supports compliance with protocol
- ▶ Fewer products to purchase and stock, simplifies product selection
- ▶ Integrated antimicrobial CHG gel pad available as required*
- ▶ Will secure single, double, and triple-lumen catheters, up to and including 12 French

Ease of application and removal

- ▶ Simple and intuitive design
- ▶ No mechanical doors or sticky residue
- ▶ No alcohol required to remove device
- ▶ Easier to apply and remove than leading securement devices¹

Reliable adhesion with gentleness to skin

- ▶ Secures as well as, or better than, leading securement devices¹ and sutures
- ▶ Designed to be worn for up to 7 days
- ▶ Removes gently, without causing patients undue pain or distress⁵
- ▶ As comfortable as, or more comfortable than, leading securement devices² and sutures

Proven antimicrobial protection (with CHG dressing)*

- ▶ Proven to reduce CRBSIs in patients with central venous and arterial catheters by 60%³
- ▶ Gel pad is adhesive and conforms around catheter and hub
- ▶ Continuous antimicrobial activity: reducing skin flora and preventing its re-growth up to 7 days⁴



Both the 3M™ Tegaderm™ I.V. Advanced Dressing (top) and 3M™ Tegaderm™ CHG Dressing (bottom) ensure continuous visibility of the insertion site.

The 3M™ Tegaderm™ PICC/CVC Securement Systems include:

- ▶ A securement device with silicone adhesive that balances secure adhesion with gentleness to skin
- ▶ An I.V. securement dressing specifically designed to enhance securement of the device

*Systems available with either the 3M™ Tegaderm™ I.V. Advanced Securement Dressing or 3M™ Tegaderm™ CHG Dressing.

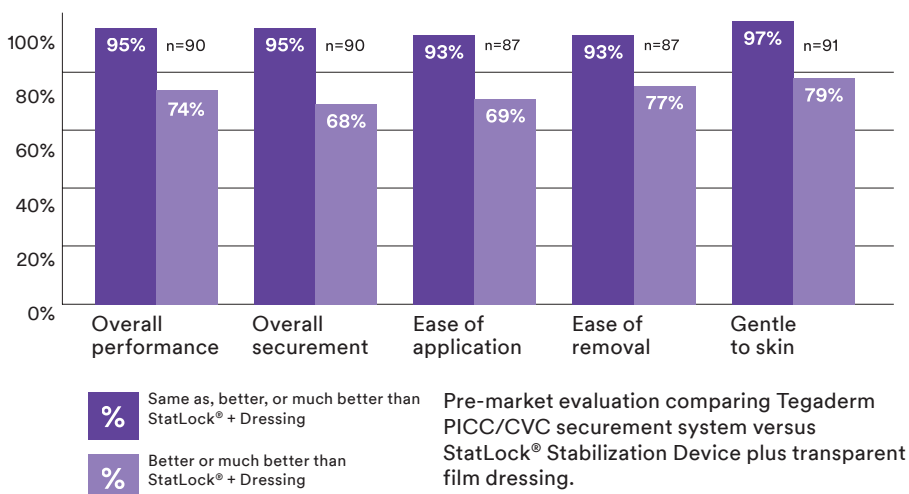
Proven to provide reliable PICC/CVC securement

Peripherally Inserted Central Catheters (PICCs)

The Tegaderm PICC/CVC securement systems were designed to minimise catheter migration or dislodgement complications. In a pre-market evaluation, clinicians rated the Tegaderm PICC/CVC securement system as providing better overall PICC securement than the StatLock® Stabilization Device and transparent film dressing. The Tegaderm PICC/CVC securement system was also rated to be easier to apply and remove and gentler to skin than StatLock®. In fact, 85% of the clinicians indicated they would be willing to replace their existing PICC securement system with the Tegaderm PICC/CVC securement system (n=140).¹

Over 85% of clinicians were willing to replace their existing securement system with the 3M™ Tegaderm™ PICC/CVC Securement System.²

Clinician feedback during market evaluation for PICCs¹



In a simulated clinical situation, the Tegaderm PICC/CVC securement system could withstand the sudden, high pull force of dropping an attached 1.13kg weight (equivalent to a standard bag of saline solution) 100% of the time, while the StatLock® PICC Plus with a 3M™ Tegaderm™ I.V. Film Dressing with Border (1655) failed every time.

Simulated clinical situation drop test⁵

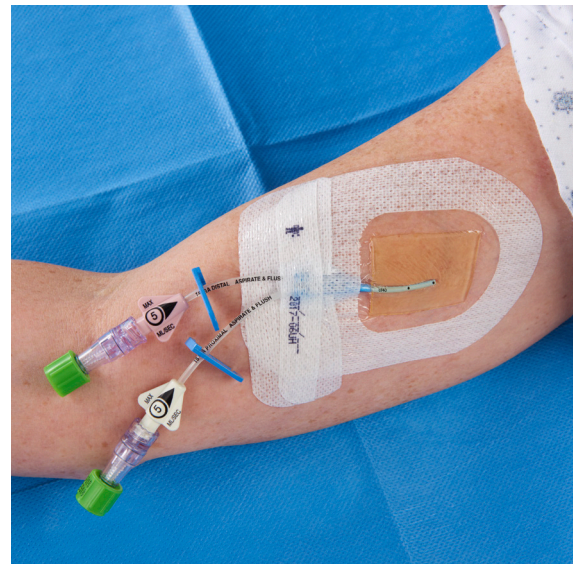
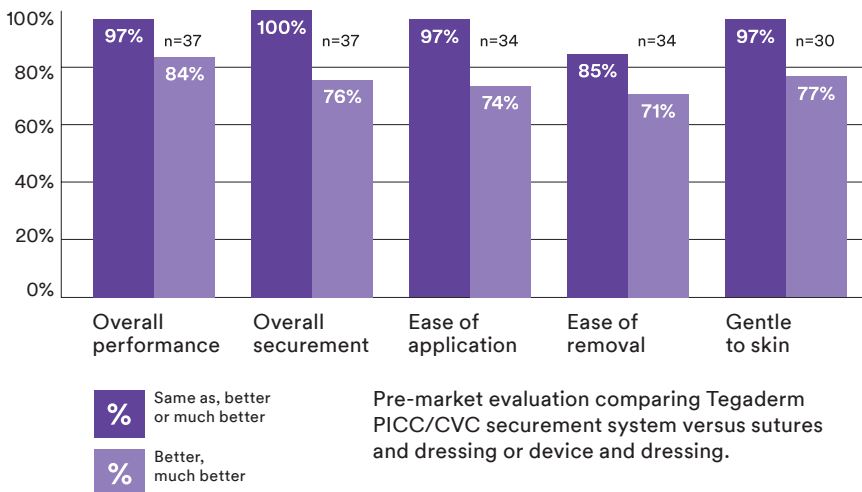
Securement method	Results
StatLock® PICC Plus-Foam (VPPCSP) + 3M™ Tegaderm™ I.V. dressing (1655)	Pass: 0% (0 out of 24)
3M™ Tegaderm™ PICC/CVC Securement Device + I.V. Advanced Dressing	Pass: 100% (24 out of 24)

Tegaderm PICC/CVC Securement Device + I.V. Advanced Dressing could withstand a sudden, high pull force of an attached 1.13kg weight being dropped 24 out of 24 times.

Central Venous Catheters (CVCs)

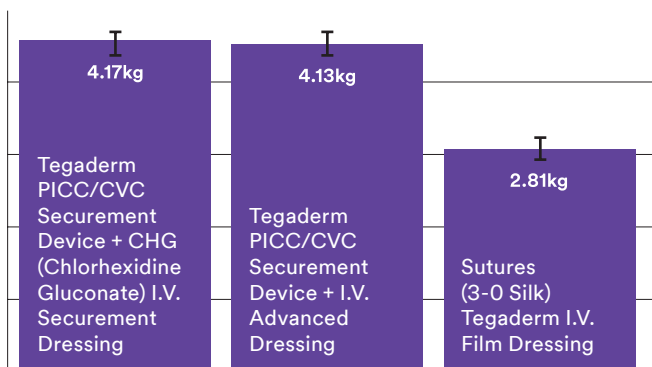
In a pre-market evaluation, clinicians rated the 3M™ Tegaderm™ PICC/CVC Securement System as providing better overall securement than sutures and a dressing or a securement device and dressing. The Tegaderm PICC/CVC securement system was also rated higher in preventing migration, ease of application and gentleness to skin. In fact, 90% of the clinicians indicated they would be willing to replace their existing CVC securement system with the Tegaderm PICC/CVC securement system (n=140).¹

Clinician feedback during pre-market evaluation for CVCs¹



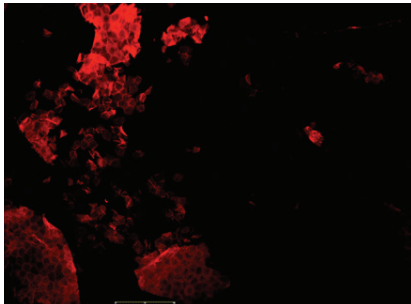
In vivo testing comparing the mean pull force required to dislodge an inserted CVC catheter with various securement devices, showed the Tegaderm PICC/CVC securement system could withstand significantly higher pull force than sutures.

Mean pull force required to dislodge inserted CVC catheter⁶

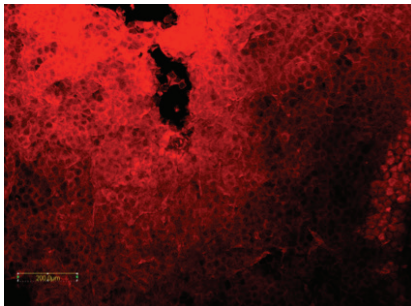


Tegaderm PICC/CVC securement systems require 1.5 times more pull force than sutures (3-0 silk) plus 3M™ Tegaderm™ I.V. film dressing with Border (1655).

Designed with clinicians and patients in mind



Tegaderm PICC/CVC Securement Device



StatLock® Tricot Stabilization Device

Fewer skin cells are removed when removing the Tegaderm PICC/CVC Securement Device than the StatLock® Tricot Stabilization Device, showing that it is more gentle to patients' skin.⁵

A sutureless securement device eliminates the risk of suture related needlestick injury during securing of a catheter.⁸

Alvin J. Yamamoto

Gentle on skin for improved comfort

The device removes cleanly, eliminating the need to scrub with alcohol. Removal of other securement devices can cause adhesive trauma, stripping skin cells along with the device. Significantly fewer skin cells are removed when removing the Tegaderm PICC/CVC Securement Device than the StatLock® Tricot Stabilization Device, showing that it is more gentle to skin.⁵

Easy to apply and remove

The Tegaderm PICC/CVC Securement Systems were designed for easier application and removal. An evaluation comparing the Tegaderm PICC/CVC Securement System to the StatLock® Stabilization Device for Peripherally Inserted Central Catheters (PICCs), showed the Tegaderm PICC/CVC Securement System to:

- ▶ Be easier to apply and remove¹
- ▶ Be easier to remove without catheter movement¹
- ▶ Leave minimal to no adhesive residue on skin upon removal¹
- ▶ Be repositionable upon initial application without losing adhesion⁹

Reduces the risks of suture-related needlestick injuries

The Tegaderm PICC/CVC Securement Systems are an ideal alternative to sutures, helping to eliminate the unnecessary financial, physical and emotional costs of suture-related needlestick injuries (NSIs).

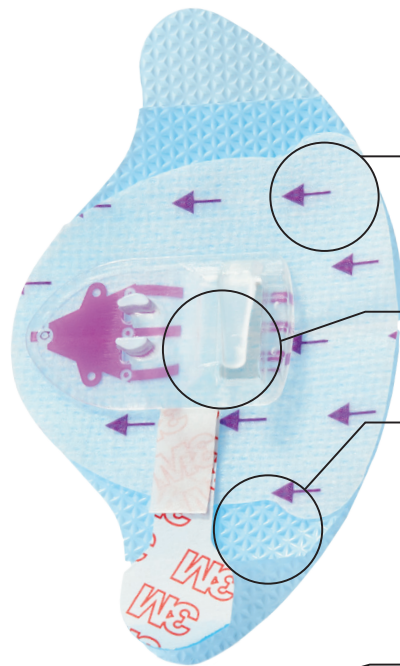
Consequences of NSIs:

- ▶ Loss of employee time
- ▶ Cost of staff to investigate the injury
- ▶ Expense of laboratory testing
- ▶ Cost of treatment for infected staff
- ▶ Cost of replacing staff

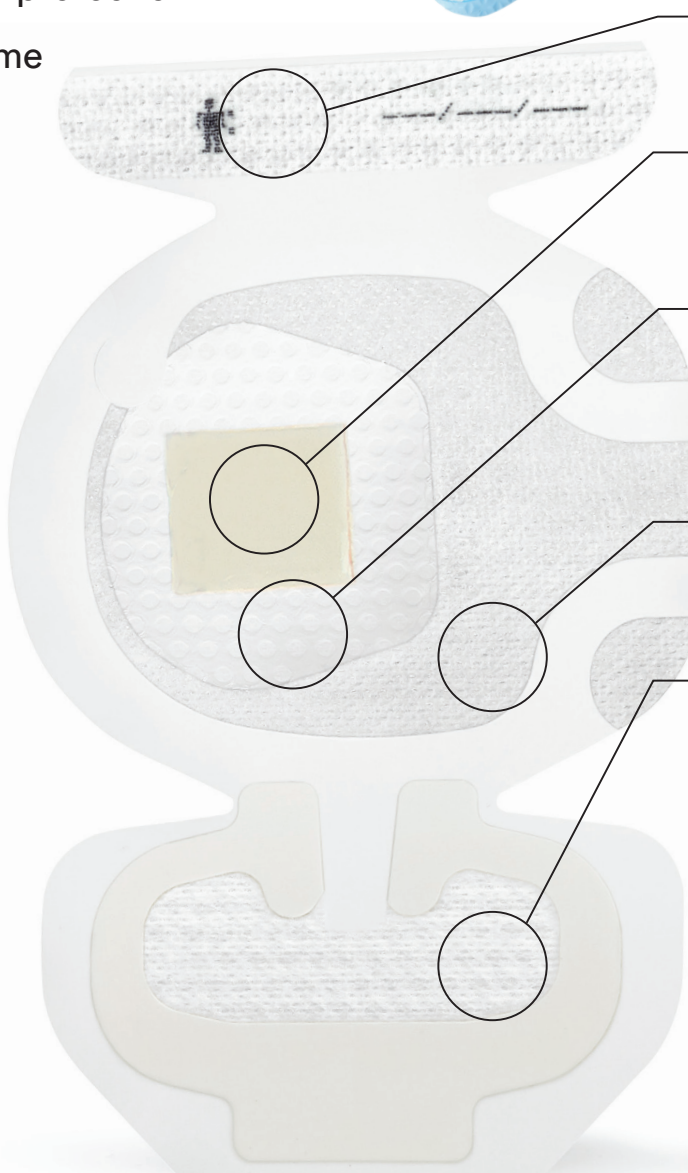
UK Health and Safety legislation requires employers to prevent workers' injuries caused by all medical sharps (including needlesticks). Needle-free equipment is available for certain procedures and should be used, where it is reasonably practicable to do so.⁷

The Tegaderm PICC/CVC Securement Systems were specifically designed to provide:

- ▶ Easy application and removal
- ▶ Patient comfort and mobility
- ▶ Secure adhesion
- ▶ Gentle removal
- ▶ Antimicrobial protection*
- ▶ Long wear time
- ▶ Site visibility



- **Silicone adhesive**
 - ▶ Does not require alcohol to remove
 - ▶ Holds securely, yet removes gently
 - ▶ Can be repositioned upon initial application⁹
- **Easy application securement base**
 - ▶ No mechanical doors or wings
 - ▶ Visual cues to aid application
- **Comfortable, soft-cloth material**
 - ▶ Conformable and water-resistant
 - ▶ Perforated for additional breathability



- **Documentation tape strip**
 - ▶ Preprinted for documenting dressing changes
 - ▶ Provides additional securement
- **Integrated CHG gel pad***
 - ▶ Antimicrobial CHG gel pad is integrated into the dressing
 - ▶ CHG is immediately and continuously available
- **3M™ Tegaderm™ Transparent Film**
 - ▶ Film and gel pad* remain clear for continuous site observation
 - ▶ Is a waterproof, sterile barrier to external contaminants**
 - ▶ Promotes moisture evaporation and improved securement
- **Reinforced stabilisation border**
 - ▶ Maximises securement, breathability and wear time
 - ▶ Dressing and tape strips are water-resistant
- **Securement tape strip**
 - ▶ Enhances stabilisation
 - ▶ Adhesive-free tab minimises potential to stick to gloves or to itself
 - ▶ Allows for one-handed delivery
 - ▶ Water-resistant film coating

* Antimicrobial protection available with Tegaderm PICC/CVC Securement Device + CHG (Chlorhexidine Gluconate) I.V. Securement Dressing.

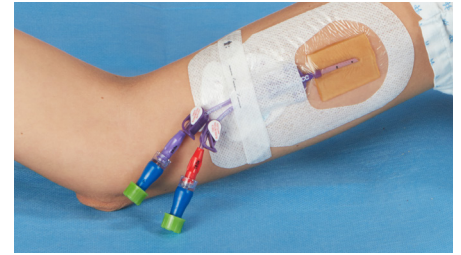
***In vitro* testing shows that the transparent film of Tegaderm™ I.V. Securement Dressings provide a viral barrier for viruses 27nm in diameter or larger while the dressing remains intact without leakage.

Accommodates the majority of PICC and CVC catheters

The Tegaderm PICC/CVC Securement Systems accommodate the majority of single, double or triple-lumen Peripherally Inserted Central Catheters (PICCs) and short-term Central Venous Catheters (CVCs) up to, and including, 12 French.



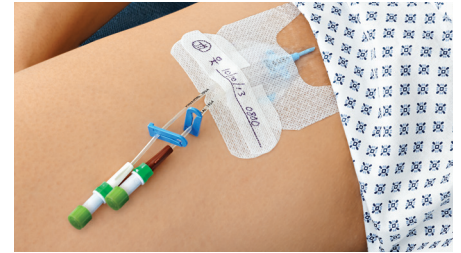
Subclavian



PICC



Jugular



Femoral

Ordering information

	Product code	Overall device size	Overall dressing size	Device + dressing/box	Boxes/case
3M™ Tegaderm™ PICC/CVC Securement Device + I.V. Advanced Dressing	1837R-2100	5.1cm x 5.4cm	8.5cm x 11.5cm	20	4
	1839R-2100	5.1cm x 5.4cm	10cm x 15.5cm	20	4
3M™ Tegaderm™ PICC/CVC Securement Device + CHG (Chlorhexidine Gluconate) I.V. Securement Dressing	1877R-2100	5.1cm x 5.4cm	8.5cm x 11.5cm	20	4
	1879R-2100	5.1cm x 5.4cm	10cm x 15.5cm	20	4

Learn more

To learn about Tegaderm PICC/CVC Securement Systems visit us at 3M.co.uk/Securement or 3M.co.uk/vascularaccess. Contact your Sales representative or call the 3M Health Care Customer Helpline on 0845 8734076.

References

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2. 3M data on file (#12858).
3. Timsit JF. Randomized controlled trial of chlorhexidine dressing and highly adhesive dressing for preventing catheter-related infections in critically ill adults. *Am J Respir Crit Care Med*. 2012 Dec 15;186(12):1272–8. doi: 10.1164/rccm.201206-1038OC. Epub 2012 Oct 4.
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7. Health and Safety (Sharp Instruments in Healthcare) Regulations 2013 Guidance for employers and employees, Health and Safety Executive HSI7 03/13.
8. Alvin J. Yamamoto, et al, Sutureless Securement Device Reduces Complications of Peripherally Inserted Central Venous Catheters. *Journal of Vascular and Interventional Radiology*, Vol 10, Number 1, Jan 2002.
9. 3M data on file (EM-05-012862).



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