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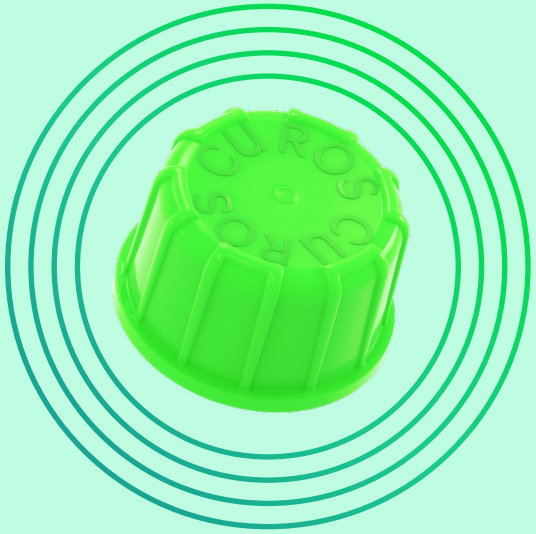
Next

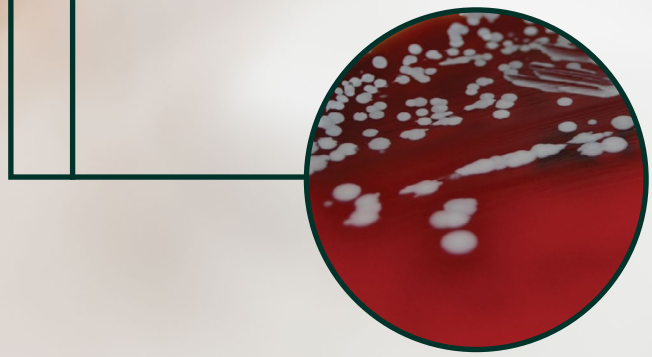
Protect your patient's IV access points and your peace of mind



3M™ Curos™ Disinfecting Port Protectors

Are all of your IV access points protected?

Below is a picture of a culture taken from an unprotected IV access point. Unprotected IV access points can touch floors, armpits, bed linens and other unsterile surfaces, adding to their bioburden.[1]



Every IV catheter presents potential for catheter-associated bloodstream infections (CABSIs)

Up to

1 in 4 patients

who contract a central line-associated bloodstream infection (CLABSI) die[2]

Average cost to treat a CLABSI

$45,000 USD per infection[3]

A literature review found short-term peripheral intravenous catheters (PIVCs)

accounted for 22%

of hospital-acquired catheter-related bloodstream infections (CRBSIs).[4]

When staff decreased, healthcare-associated infections increased

Staffing shortages have had startling effects on healthcare-associated infections (HAIs). Despite years of progress in lowering the rate of HAIs, rising patient caseloads and poor staffing have made it difficult for dedicated clinicians to uphold infection control policies. Significant increases were seen in national infection rates in 2020; CLABSIs had the largest increase.[5]

The average medical-surgical patient-to-nurse staffing ratio among 116 surveyed hospitals was **6.3 patients per nurse.** If a vascular access device (VAD) is accessed 3x/shift/patient, that would equate to almost **10 minutes per shift** scrubbing the hub and does not include scrubbing for sequential accesses.[6]

The World Health Organization estimates a shortage of

4.5 million nurses

by the year 2030[7]

Challenges with scrub the hub

For more than two decades, the standard of care in IV access point disinfection has been a thorough 15-30 second (plus drying time) manual scrub of the IV access point with 70% isopropyl alcohol (IPA), often referred to as “scrubbing the hub.” This method’s effectiveness is compromised by its lack of intuitiveness,[10] low compliance, inconsistent results and absence of a clear visual signal that the access point has been properly disinfected.

Did you know?

Scrub the hub effectiveness varies with technique

Laboratory simulation demonstrated greatest bacterial elimination rates associated with scrubbing in a straight line (compared with rotational scrubbing), using a force equal to that when applying arterial compression, and when the connector is scrubbed twice with a new swab each time.[8]

Scrub the hub effectiveness varies with scrub time

Recent studies showed varied effectiveness of scrub times between five and fifteen seconds. If clinicians aren't scrubbing long enough, it may not be effective.[9]

Compliance to "scrub the hub" protocol can be as low as:

only 10%-27%[10, 11]

31% of clinicians

didn’t attempt to disinfect needleless connectors at all, even under active observation[10]

A simple solution that provides protection and peace of mind

The family of 3M™ Curos™ Disinfecting Port Protectors consists of caps that twist onto IV access points. These caps enable effective passive disinfection and protection — a method of decontamination that is simple, intuitive and quick. IPA bathes the surface of the IV access point and disinfects it in just one minute.

Consistent use of 3M™ Curos™ Disinfecting Caps for Needleless Connectors is associated with decreased CLABSI.*

*See clinical evidence summary on page 13.

CLABSI is common, but it doesn't have to be

Studies identified passive disinfection with an antiseptic barrier cap as a solution to lower the occurrence of CLABSIs.[12, 13, 14] Curos disinfecting port protectors provide several advantages over the “scrub the hub” protocol.

Save time

Curos disinfecting port protectors are alcohol-impregnated, providing fast passive disinfection, saving nurses valuable time compared with most "scrub the hub" protocols. In addition, no drying time is required to achieve disinfection.

Provide a physical barrier

They provide a physical barrier to contamination between accesses, for up to seven days.

Remove user-technique variation

They remove the user-technique variation found in manual "scrub the hub" procedures.

Provide visual compliance confirmation

Their bright colour also provides quick visual confirmation that an IV access point is clean, giving nurses peace of mind and empowering facilities to audit and improve disinfection compliance.

3M™ Curos™ Disinfecting Port Protectors can be dispensed as individual caps or on strips.* Strips can be hung from IV poles for easy access, greater compliance and reduced waste.

**Varies by product*

Every line, every time

The Curos disinfecting port protector difference

Use the entire family of 3M™ Curos™ Disinfecting Port Protectors to simplify disinfection, standardize protocols and help reduce risks across all intraluminal access points.

Curos disinfecting port protectors are the only disinfection solution that has offerings to help reduce risks across all IV access points.

Compliance is critical

One study showed a significant reduction in CLABSIs when compliance rates reached 85% with use of disinfecting caps.[15]

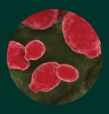
Curos disinfecting port protectors achieved a 99.99% reduction in six microbes commonly associated with CLABSI[16, 17]

The effectiveness of Curos disinfecting port protectors was tested *in vitro* against:

Staphylococcus aureus

Staphylococcus epidermidis

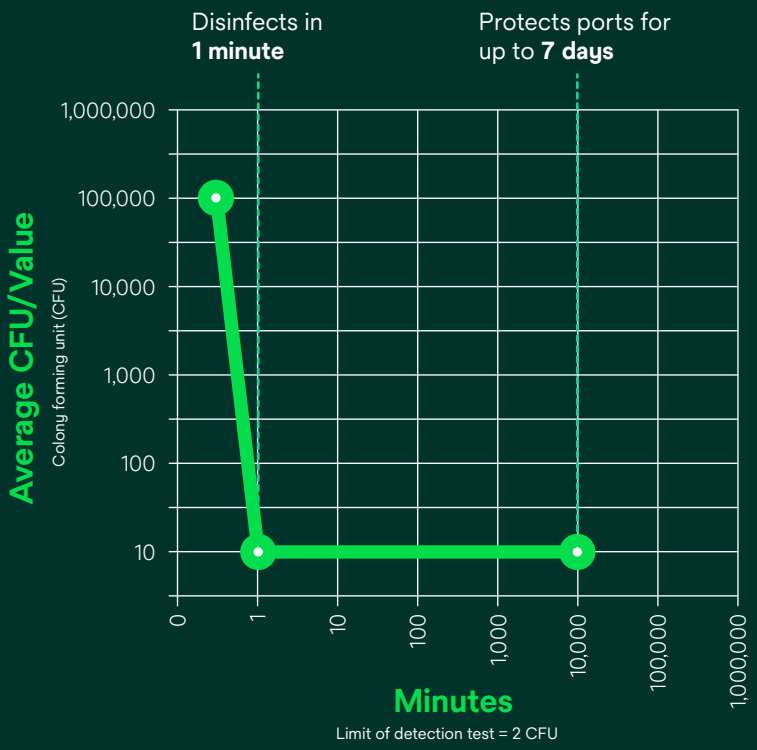
Escherichia coli



Candida albicans

Pseudomonas aeruginosa

Candida glabrata



Study conclusion

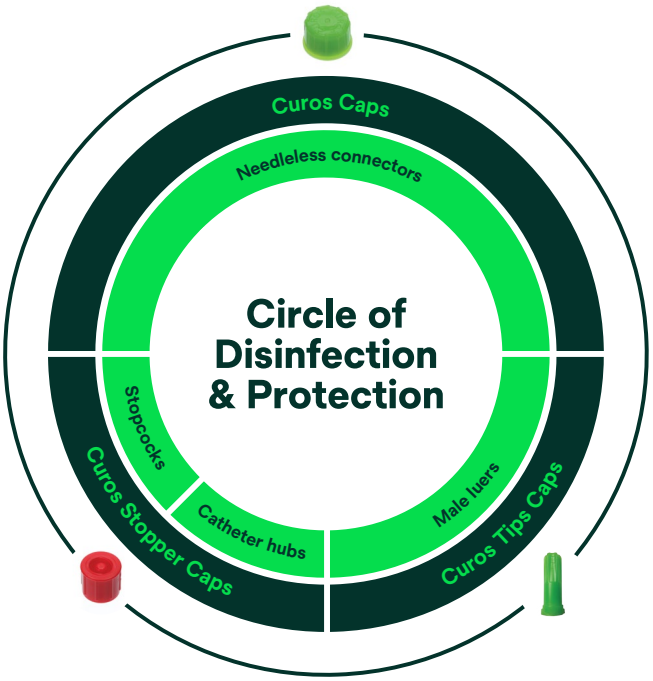
All test samples exceeded the minimum four-log reduction after one minute.*

**Solventum data on file*

The 3M™ Curos™ Disinfecting Port Protectors family

Protect every line, every time

Because there is only one bloodstream, every vascular access device can put the patient at risk for developing an infection. Curos disinfecting port protectors are the only solution on the market that has offerings to help reduce risks across all IV access points.



3M™ Curos Tips™ Disinfecting Cap for Male Luers

Targeted protection

Curos Tips disinfecting caps disinfect critical surfaces and protect the distal end of IV tubing and other male luer devices.

Precise alcohol application

A unique design shields excess alcohol from entering the lumen while providing sufficient flow of alcohol precisely where it is needed: on the exposed exterior male luer.

Dispensing options: Strips (5 count)

3M™ Curos™ Disinfecting Cap for Needleless Connectors

Effective disinfection

Curos disinfecting caps are used as a disinfecting device for needleless connectors.

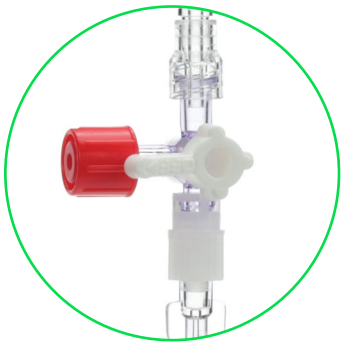
Reliable protection

The caps acts as a barrier to contamination while in place.

Convenience and availability

Curos disinfecting cap strips can be hung from IV poles for easy access, greater compliance and reduced waste.

Dispensing options: Individual caps, Strips (10 count)



3M™ Curos™ Stopper Disinfecting Cap for Open Female Luers

Functional design

Curos stopper disinfecting caps are designed to luer lock onto a wide range of stopcocks and catheter hubs. They utilize 70% IPA to disinfect the critical surfaces of open female luers prior to line access.

The unique cap design will hold pressure to maintain a closed system.

Dispensing options: Individual caps, Strips (5 count)

3M™ Curos™ Disinfecting Cap for Tego® Hemodialysis Connectors

Compatible

This specially designed Curos disinfecting cap is compatible* with the Tego® Needlefree Hemodialysis Connector.**

** "Tego Swab Recommendations and Compatibility with Disinfecting Caps," October 2012.*

*** ICU Medical Tego® Hemodialysis Connector catalog code D1000.*

Custom color

White Curos caps are easily distinguished from green caps for dedicated use on the Tego hemodialysis connectors.

Dispensing options: Individual caps

Protocol for successful IV access point disinfection

The use of Curos Disinfecting Port Protectors aligns with the *Infusion Nurses Society 2024 Infusion Therapy Standards of Practice*.[18] Following their guideline recommendations can help reduce the risk of contamination and support a safer, more effective IV disinfection process.

1

Consider passive disinfection by applying a cap or covering containing a disinfection agent. A systematic review (of randomized and nonrandomized studies) has demonstrated high level of decontamination compliance and reductions in CLABSI rates and related healthcare costs associated with avoided harm. (II)[18]

2

Ensure that disinfecting supplies are readily available at the bedside to facilitate staff compliance with needleless connector disinfection.[18]

3

Monitor clinician compliance to ensure that the chosen method for disinfection is applied consistently for needleless connectors on all peripheral intravenous catheters (PIVCs) and central venous access devices (CVADs), as this is a critical element for reduction of intraluminal contamination and subsequent bloodstream infection (sBSI). (V)[18]

Curos disinfecting port protectors are backed by research

View full clinical evidence summary

ClinicoEconomics and Outcomes Research (no. 15) 2023

Effectiveness of disinfecting caps for intravenous access points in reducing central line-associated bloodstream infections, clinical utilization and cost of care during COVID-19[19]

Compared with patients who received the "scrub the hub" protocol, patients with a disinfecting cap experienced:

73% fewer incidences of CLABSI

1/2 day reduction in hospital stay

$6,703 less in cost per hospital stay (USD)

The Journal of the Association for Vascular Access (vol. 23, no. 1) 2018

A bundled approach to decrease the rate of primary bloodstream infections related to peripheral intravenous catheters[20]

Compared with patients who received the "scrub the hub" protocol, patients with a disinfecting cap experienced:

Compliance protecting all needleless connectors was near **90%**

Compliance protecting male ends of disconnected IV tubing was near **90%**

Burns (vol. 43, no. 5) 2017

Efforts of a unit practice council to implement practice change utilizing alcohol-impregnated port protectors in a burn ICU[21]

Compared with patients who received the "scrub the hub" protocol, patients with a disinfecting cap experienced:

CLABSI rates were reduced by **68%**

"... ease of use with the caps simplified daily tasks, leading to higher compliance."

Curos is the most studied disinfecting port protector cap. As of 2022, 35 total articles, 17 peer-reviewed articles, abstracts, posters and dissertations have been published.

Improving outcomes together

Our aim is the partner with clinicians through an evidence-based, multidisciplinary and collaborative approach that enables successful change implementation and sustainable clinical outcomes.

On-site training and education

Auditing and assessment support

Robust training and compliance tools

Working together to improve outcomes through the following steps:

1 **Identify**
Identify the areas where you have the biggest opportunity to drive impact at your facility.

2 **Learn**
Learn about industry best practices, clinical evidence and new ways to improve outcomes.

3 **Improve**
Improve or implement new work processes and protocols through a variety of tools and approaches.

4 **Maintain**
Maintain the progress you've made and continue to keep staff educated and engaged.

Visit **Go.Solventum.com/IVTraining** to access resources and videos on how to use Curos™ Disinfecting Caps →

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Ordering information

Product	Dispenser	Product order #	Boxes per case	Units per box	Total caps or tips per case
 **3M™ Curos™ Disinfecting Cap for Needleless Connectors**	Individuals	CFF1-270R	10	270	2,700
	Strips (10 count)	CFF10-250R	10	50 strips	2,500
 **3M™ Curos Tips™ Disinfecting Cap for Male Luers**	Strips (5 count)	CM5-200R	10	40 strips	2,000
 **3M™ Curos™ Stopper Disinfecting Cap for Open Female Luers**	Individuals	CSA1-270R	8	270	2,160
	Strips (5 count)	CSA5-250R	8	50 strips	2,000
 **3M™ Curos™ Disinfecting Cap for Tego® Hemodialysis Connectors**	Individuals	CTG1-270R	8	270	2,160

Go.Solventum.com/Curos

Rx only.
Refer to product IFU for other important information.
Device is single use only. Once device is opened per instructions, it cannot be reclosed.

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NOTE: Specific indications, contraindications, warnings, precautions and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application.