

ARROW CVC SYSTEMS

Why is ARROW the first choice for venous access?



COMPREHENSIVE

Who puts exactly what you need to treat your patients right at your fingertips? Teleflex offers you one of the industry's most comprehensive ranges of CVCs and related products: from ARROWgãrd catheters and uncoated catheters to scores of unique comprehensive kits that include an array of options, such as Arrow Raulerson Syringe, large barrier drape, and safety components. See our product list for more details.



MOLDED, FLEXIBLE
LOW-PROFILE
JUNCTION HUBS

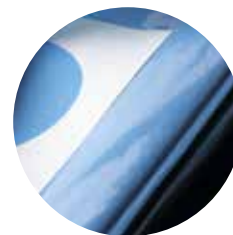
Designed for patient comfort
and ease of maintenance

SAFETY WITHOUT COMPROMISE

ARROW answers your demand for safety features that are easy to use.



Safety Scalpel
Easy-to-control sharps
protection



Full Body Drape
Clear Poly window has
adhesive around the
fenestration to anchor
the drape



UNMATCHED VARIETY

Teleflex's ARROW CVCs are available in an unmatched variety of lumen configurations, lengths, French sizes and gauge sizes, with either unprotected standard catheters or catheters with ARROWgard antimicrobial technology.

ANTIMICROBIAL TECHNOLOGY

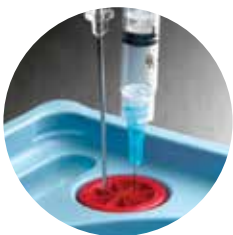
Patented treatment bonds chlorhexidine and silver sulfadiazine to the entire surface length

FLEXIBLE POLYURETHANE

Designed to soften in situ and enhance indwelling characteristics

BLUE FLEXTIP

Soft catheter tip balances insertion capability with indwelling performance



**SharpsAway II™
Locking Disposal Cup**
Easily move used sharps to disposal container with a lower risk of exposure



Arrow Raulerson Syringe
Patented technology, for reduced risk of blood exposure and air embolism

CVC SYSTEMS

TRUSTED

Why are seven out of every ten central venous catheters in use right now Teleflex's ARROW CVCs? Why have over 24 million ARROWgard catheters been used worldwide since 1994 – more than all other manufacturers' products combined? It's simple: Clinicians like you asked us to meet your needs. When you required a total, proven infection risk reduction solution, we delivered. You asked for a wider array of catheter lengths, flow rates and customizable kits – and we gave you the broadest range of catheters in the industry. The bottom line: we never stop working to engineer products that earn the trust of you and your patients.



PARTNERSHIP

We're eager to join your team for on-site education. And we have a wealth of detailed information on hand and at our Web site, all of which is geared towards helping you get the greatest effectiveness and the most value from ARROW products. These materials include: Insertion poster, dozens of clinical studies, nursing care guidelines, total cost-of-care calculators and information on other ARROW products

For more information contact your ARROW sales representative at Teleflex. Or visit www.teleflex.com.

"CDC Guidelines for the Prevention of Intravascular Catheter-Related Infections" specifically recommend using a chlorhexidine/silver sulfadiazine-impregnated catheter in conjunction with other risk-reduction measures to lower CRBSI – and caution that antibiotic-coated catheters could increase the incidence of resistant pathogens.⁵

PROVEN

When it comes to reducing infections, why rely on anything but the most proven technology? Our product brand ARROW pioneered the anti-microbial-impregnated catheter (our ARROWgard technology) in 1990. No other company's catheter has such a strong track record and broad-spectrum activity. In fact, over 30 studies and reviews prove ARROWgard catheter technology's ability to decrease the incidence of catheter-related bloodstream infection (CRBSI), reduce costs and save lives.¹

For example, ARROWgard reduces bacterial colonisation of the catheter by 60 per cent and catheter-related infection by an even greater 80 per cent.²

And it's been proven effective against a wide array of gram-positive bacteria, including *S. epidermidis*, MRSA and *S. aureus*; gram-negative bacteria, including *Enterococci* and *Pseudomonas strains*; and fungi, including *C. albicans*.³

Now our latest breakthrough, ARROWgard Blue PLUS, gives you that proven infection-fighting ability both outside and in. So chlorhexidine and silver sulfadiazine continuously prep the subcutaneous catheter tract and kill organisms in places that you simply can't reach.

DRAMATIC COST SAVINGS

ARROWgard's proven infection-preventing power* can save your institution hundreds of thousands of dollars per year.⁴ Could ARROWgard help you cut costs and save more lives?

CVCS/YEAR	INFECTION COSTS WITH CVC COMMODITY CVC	INFECTION COSTS WITH ARROWGARD BLUE**	TOTAL SAVINGS
500	\$547,620	\$140,024	\$407,596
1,000	\$1,095,240	\$280,048	\$815,192
2,000	\$2,190,480	\$560,096	\$1,630,384
5,000	\$5,476,200	\$1,400,240	\$4,075,960

* Assuming a 3% infection rate (4.4 infections per 1,000 catheter days)

** Assuming 80% reduction of infection

References:

- 1 Veenstra, D.L., Saint, S., Saha, S., Lumley, T., Sullivan, S.D. "Cost-Effectiveness of Antiseptic-Impregnated Central Venous Catheters for the Prevention of Catheter-Related Bloodstream Infection," *Journal of the American Medical Association*, January 20, 1999, Vol. 281, Issue 3, pp. 261–267.
- 2 Maki, D.G., Stolz, S.M., Wheeler, S., Mermel, L.A. "Prevention of Central Venous Catheter-Related Bloodstream Infection With an Antiseptic-Impregnated Catheter: A Randomized, Controlled Trial," *Annals of Internal Medicine*, August 15, 1997, Vol. 127, Issue 4, pp. 257–266.
- 3 References include but are not limited to Maki 1997, Sampath 1995 and Bach 1994.
- 4 O'Grady et al. "Guidelines for the Prevention of Intravascular Catheter-Related Infections," *Infection Control Hospital Epidemiology*, Dec. 2002, Vol. 23, Issue 12, pp. 759–69.
- 5 O'Grady, N.P., Alexander, M., Dellinger, E.P., Gerberding, J.L., Heard, S.O., Maki, D.G., Masur, H., McCormick, R.D., Mermel, L.A., Pearson, M.L., Raad, I.I., Randolph, A., Weinstein, R.A. "Guidelines for the Prevention of Intravascular Catheter-Related Infections," *The Centers For Disease Control*, August 9, 2002, Vol. 51, No. RR10, pp. 7–8.

Full bibliography available upon request.

Teleflex is a leading global provider of specialty medical devices used for diagnostic and therapeutic procedures in critical care, urology and surgery. Our mission is to provide solutions that enable healthcare providers to improve outcomes and enhance patient and provider safety. We specialise in devices for general and regional anaesthesia, cardiac care, respiratory care, urology, vascular access and surgery and we serve healthcare providers in more than 140 countries. Teleflex also provides specialty products for medical device manufacturers.

Our well known brands include **ARROW®**, **DEKNATEL®**, **GIBECK®**, **HUDSON RCI®**, **KMEDIC®**, **LMA™**, **PILLING®**, **PLEUR-EVAC®**, **RÜSCH®**, **SHERIDAN®**, **TAUT®**, **TFX OEM®**, **VASONOVA™** and **WECK®**, all of which are trademarks or registered trademarks of Teleflex Incorporated.

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