

TEMPERATURE-SENSING MANAGEMENT SYSTEMS

AT THE CORE OF OPTIMAL PATIENT OUTCOMES



Infection prevention begins with accurate monitoring.

And accurate monitoring begins with Bard.



BARD[®] TEMPERATURE-SENSING CATHETERS

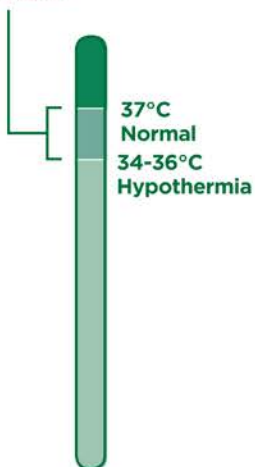
Maintaining normal core body temperature is important

Heat loss may lead to impaired immunity and vasoconstriction, which lower resistance to infection.³

CDC's campaign to prevent antimicrobial resistance in surgical patients delineates steps to prevent surgical site infections. "Maintain Normothermia" is in Step 1.⁴

Because even a 1.5° C loss can compromise patient outcomes

As little as a 1.5° C loss in body temperature can lead to adverse outcomes, including surgical site infection¹



Mild hypothermia (<36°C) is associated with adverse outcomes after CABG procedures.²

Core temperature monitoring can be incorporated into sepsis protocols to maximize early detection and help optimize outcomes.

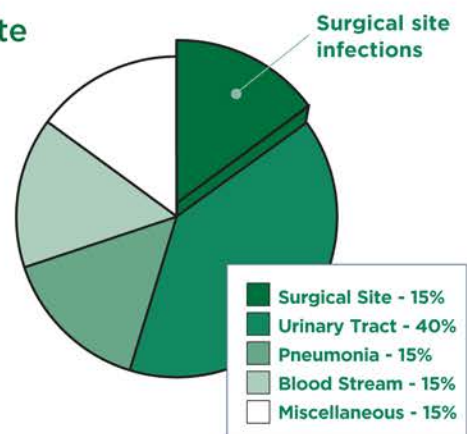
The implications of hypothermia include increased risk of:

- Surgical site infection¹
- Morbid cardiac events¹
- Ventricular tachycardia¹
- Wound infection and blood loss¹

Maintaining intraoperative normothermia may result in fewer adverse outcomes with a resulting decrease in costs.¹

The Impact of Surgical Site Infections is Significant

Surgical site infections comprise 14% to 16% of all nosocomial infections among hospitalized patients³



At the Core of Optimal Patient Outcomes

Temperature-Sensing Management Systems provide continuous, accurate, and safe core body temperature measurement to help limit the risk of infection caused by even mild hypothermia

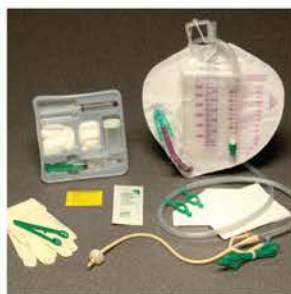
Patient Monitoring



CritiCore® monitor system electronically measures core body temperature and fluid output—vital for maintaining normothermia and assessing urine output.

- Provides accurate and continuous patient trending data
 - Closed system minimizes clinician contact with body fluids and reduces patient risk of infection
 - Disposable infection control trays offer optimal convenience
-

Temperature-Sensing Catheters and Trays



Foley catheters and trays to accurately measure core body temperature in the bladder.

- A full line, including infection control Foley Catheters with Bacti-Guard® Silver Alloy Coating and Bard® Hydrogel
 - Available in Latex and Latex-Free
 - Available with 3.5 mm or Dual Connector
-

Full Range of Accessories for Easy Connections



Connectors and cables that offer optimal versatility.

- Compatible with patient monitors found in most hospital settings

Monitor Connectors

Catheter Connectors

At the Core of Infection

Monitoring core body temperature accurately through the bladder may help prevent hypothermia

Accurate

For accurate core body temperature, bladder measurement correlates most closely with pulmonary artery temperature.⁵

Less Invasive

When Foley catheterization is indicated, it's the measurement of choice for ease of use.⁵

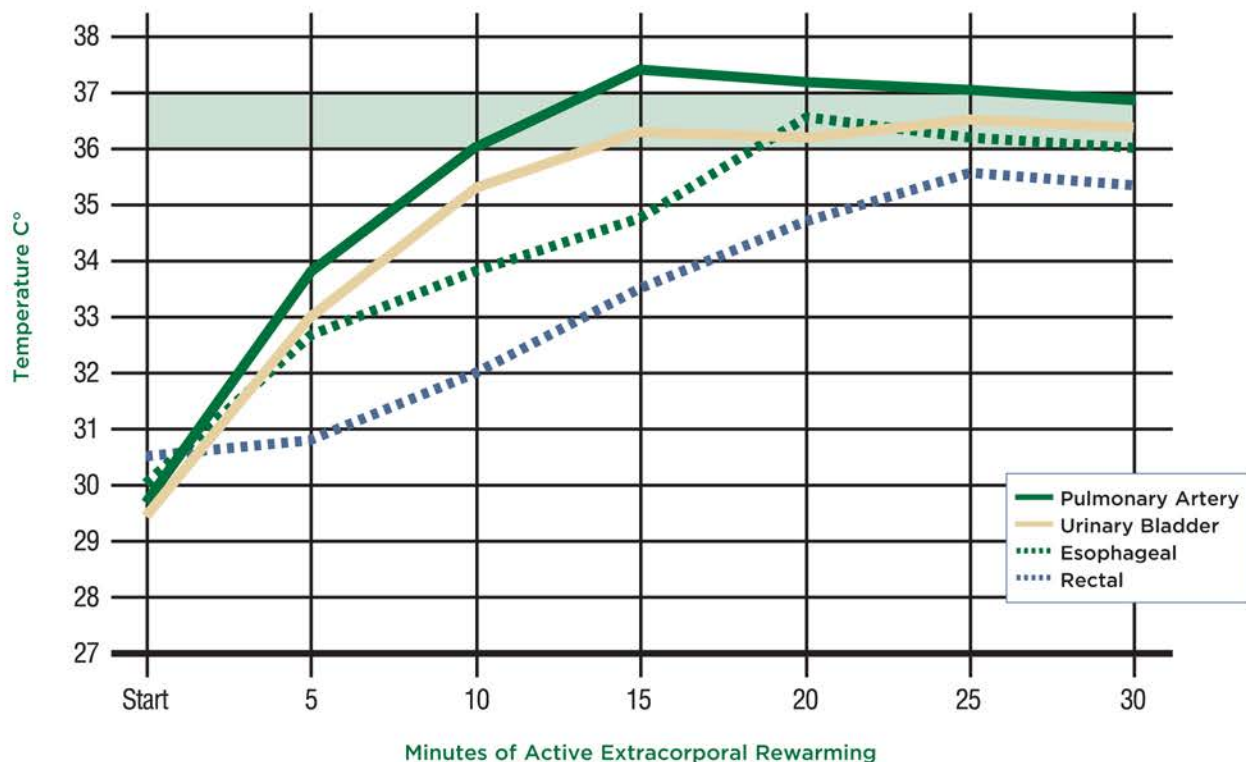
Safe

Maintains a closed system and eliminates invasive probes to maximize patient safety.

Convenient

Allows for convenient and continuous temperature monitoring to help maintain normothermia.

Bladder temperature correlates best with pulmonary artery temperature for accurate monitoring⁵



Infection Prevention

Limit the risk of infection with Bard Temperature-Sensing Management Systems

BARDEX® I.C. COMPLETE CARE® Infection Control Temperature-Sensing Foley Trays and Catheters



Provide infection control at the critical points where contamination is most likely to occur. Includes BARDEX® I.C. Foley catheters with Bacti-Guard®* Silver Alloy Coating and BARD® Hydrogel for infection control that has been clinically proven in over 30 studies^{6,7,8}

Proprietary Catheter Coating Formulation Offers Infection Control with Superior Performance Built In

BARD® Hydrogel Coating

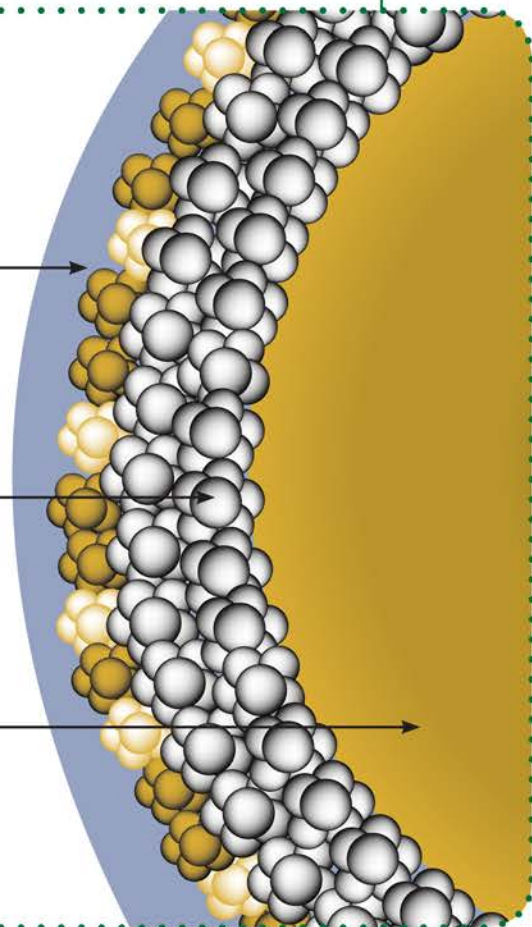
- Protects delicate urethral tissue
- Facilitates optimal sustained release of silver ions that minimize microbial adherence

Bacti-Guard®* Silver Alloy Coating

- Anti-infective properties
- Chemically anchored to catheter surface for longevity

BARD® Foley Catheter Substrate

- Latex and latex-free catheters that set the standard for quality



High quality products, backed by comprehensive support

- Toll-free Helpline for immediate information about any Bard product or division. Call 800-FOR-BARD.
- Access to Medical Services and Support (MSS) for technical and clinical information as well as literature surveys. Call 800-227-3357.
- In-service visits for new and ongoing training of staff.
- Educational materials for information on products and technologies, as well as proper techniques.
- Clinical articles to help keep you aware of the latest research.

References

1. Mahoney C, Odom J. Maintaining intraoperative normothermia: A meta-analysis of outcomes with costs. *AANA Journal*. 1999;67(2):155-164.
2. Insler SR, O'Connor MS, Leventhal MJ et al. Association between postoperative hypothermia and adverse outcome after coronary artery bypass surgery. *Ann Thorac Surg*. 2000;70(1):175-81.
3. Brooks T. Temperature management in the intraoperative setting. *Infect Control Today*. 2003.
4. CDC Campaign to Prevent Antimicrobial Resistance in Healthcare Settings: 12 Steps to Prevent Antimicrobial Resistance Among Surgical Patients. Available at: http://www.cdc.gov/drugresistance/healthcare/surgery/12steps_surgery.htm. Accessed December 2, 2004.
5. Lilly JK, Boland JP, Zekan S. Urinary bladder temperature monitoring: a new index of body core temperature. *Crit Care Med*. 1980;8(12):742-4.
6. Maki DG, Tambyah PA. Engineering out the risk of infection with urinary catheters. *Emerg Infect Dis*. 2001;7:342-347.
7. Karchmer TB, Giannetta ET, Muto CA, Strain BA, Farr BM. A randomized crossover study of silver-coated urinary catheters in hospitalized patients. *Arch Int Med*. 2000;160:3294-3298.
8. Saint S, Veenstra DL, Sullivan SD, Chenoweth C, Fendrick AM. The potential clinical and economic benefits of silver alloy urinary catheters in preventing urinary tract infection. *Arch Int Med*. 2000;160:2670-2675.

www.bardmedical.com

Bard Medical Division
C. R. Bard, Inc.
8195 Industrial Blvd.
Covington, GA 30014
800-526-4455

BARD | MEDICAL

Please consult product label and insert for any indications, contraindications, hazards, warnings, cautions, and directions for use.

*The Bardex I.C. Foley catheters contain Bacti-Guard® silver alloy coating, which is licensed from BActiGuard A.B.

Bard, Bardex, Complete Care and CritiCore are trademarks and/or registered trademarks of C. R. Bard, Inc.

Bacti-Guard is a registered trademark of Bactiguard A.B.

©2010 C. R. Bard, Inc. All Rights Reserved. 1007-22 R08/10 TLX P012/10 2.5M