

# Antimicrobial Coating Protects Z-Band Wristbands



Patient ID wristbands are a hotbed for infection-causing bacteria. Now, with Zebra's antimicrobial coated Z-Band direct thermal wristbands, your patients can wear durable, scannable and comfortable wristbands that resist the four leading causes of infections in U.S. hospitals today.

Zebra's Z-Band direct thermal wristbands feature an inorganic ionic silver coating that kills microorganisms that come into contact with it. As the silver ions are taken into the microorganisms, they react and bond to the cellular enzyme. This inhibits the microorganisms' enzyme activity and multiplication, which eliminates them.

Zebra's antimicrobial coating has been clinically proven to prevent the growth and survival of the following microorganisms on our wristbands:

- S. aureus
- P. aeruginosa
- E. coli
- MRSA Types II, III, and IV

Available with a pressure-sensitive pull tab or a clip closure, Zebra's Z-Band direct thermal wristbands are also:

- **Easy to use:** within seconds you can print and secure the wristband.
- **Highly durable:** they're specially coated to resist water, soaps, chemicals and other elements so the printed bar codes remain crisp and scannable for up to 14 days.

Bar coded patient identification wristbands provide the necessary foundation for preventing medical errors by making accurate patient information available at the point of care. With Zebra's antimicrobial coated wristbands, you can further extend those powerful benefits by protecting your hospital's wristbands from dangerous, infection-causing bacteria.



**A patent-pending antimicrobial coating eliminates infection causing bacteria on Zebra's Z-Band wristbands. And, unlike laser printers and wristbands, Zebra's direct thermal printers and Z-Band wristbands produce durable, long-lasting bar codes.**

**Now, with Zebra's antimicrobial-coated Z-Band wristbands, your patients can wear durable, scannable and comfortable wristbands that remain free of the four leading causes of infections in U.S. hospitals today.**

An independent professional scientific lab tested Zebra's antimicrobial-coated Z-Band wristbands and three competitors' wristbands for resistance to *S. aureus*, *P. aeruginosa*, *E. coli*, and MRSA types II, III & IV. All four of the wristbands were individually inoculated with the microorganisms and incubated under high-humidity conditions for 24 hours. During this 24-hour test period, none of the three microorganisms were able to consistently grow or survive on Zebra's antimicrobial-coated Z-Band direct thermal wristbands. Microorganisms were able to survive and grow on competitive wristbands.

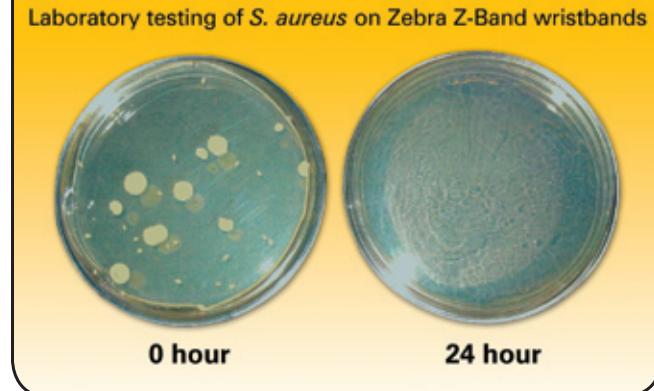
Further testing of the Z-Band wristbands also showed:

- They are scannable after repeated exposure to water and common solvents, including isopropyl alcohol, ethyl rubbing alcohol, Betadine®, and Purell®.
- They offer superior tensile strength.
- They are unlikely to cause skin irritation.

Designed to work together to create a complete bar coded wristband solution, Zebra's direct thermal printers and Z-Band direct thermal wristbands with antimicrobial coating:

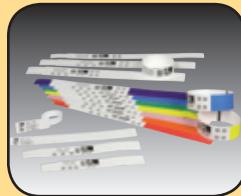
- Produce bar codes that remain legible and scannable for the duration of a patient's stay.
- Significantly reduce errors by automating access to accurate patient information.
- Satisfy patient safety and patient privacy standards set by HIPAA and The Joint Commission.

**The white paper, Laboratory Testing of Zebra's Z-Band Direct Thermal Wristbands with Antimicrobial Coating, can be found on [www.zebra.com](http://www.zebra.com) in the Resource Library.**



## Quick Specs\*

### Z-Band Direct Wristbands



### Z-Band QuickClip™ Wristbands



### HC100™ Patient I.D. Solution



Zebra's HC100 Patient I.D. Solution was designed specifically to meet the needs of healthcare providers by making wristband printing easier and more cost-effective than any available laser solution. The HC100 Patient I.D. Solution combines the reliable HC100 direct thermal printer with easy-to-load cartridges containing Zebra's Z-Band wristbands.

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