

Cleaning Vocera wearable devices and accessories

This document provides guidance on safe processes to clean the Vocera® B3000n Badge and Vocera V5000 Smartbadge and accessories without causing damage.

Please note: These guidelines do not address hospital requirements regarding disinfection.

Cleaning the Badge

- The Vocera Badge, Smartbadge, and wearable accessories are not designed for immersion in liquids.
- Always clean the Badge or Smartbadge with the battery attached.
- Wipe down the Badge and Smartbadge outer surfaces and wearable accessories with a damp cloth, wipe, or applicator using cleaning agents defined below.
- Do not pour liquids directly onto or immerse the Badge or Smartbadge.
- Opening the Badge or Smartbadge voids all warranties. The Badge and Smartbadge should not be opened for any reason.
- Do not put the Badge or Smartbadge through an autoclave or other heat cleaning process.

Acceptable cleaning agents

Do not immerse the Badge or Smartbadge in any liquid.

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| • Water | • Clorox Hydrogen Peroxide Wipes |
| • Mild dish soap | • Clorox Bleach Germicidal Wipes |
| • Isopropyl alcohol (70%) (alcohol wipes) | • *PDI Super SANI-WIPES (Purple top) |
| • Ethyl alcohol (70%) | • *PDI Super Sani-Cloth AF3 (Gray top) |
| • Metrex CaviWipes | |

Purple top Sani-wipes and gray top Super Sani-Cloths are stronger agents and require the device surface to remain wet for several minutes to reach the advertised disinfectant rate.

Vocera Badge models produced before September 2015 may be susceptible to damage or discoloration if cleaned using any of the above listed commercial cleaning products.

Unacceptable cleaning agents

Products containing the following chemical compounds are known to cause damage to Vocera Badges and should not be used:

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| • Acetones | • Compounds of amines or ammonia |
| • Ketones | • Inorganic hypochlorites - including bleach, unless noted above |
| • Ethers | • Hydrofluoric or hydrochloric acids |
| • Toluene | |
| • Aromatic and chlorinated hydrocarbons | |

The use of cleaning agents containing these chemical compounds will result in a reduction of structural integrity in the Badge or Smartbadge, leading to cracks and eventual failure of the device.

Vocera does not guarantee replacement of Badges with evidence of damage from unacceptable cleaning products.

Common cleaning agents to be used with discretion

Since hospital cleaning guidelines may mandate the use of some cleaning agents that may cause damage to a Badge or Smartbadge over time, Vocera will replace a Badges or Smartbadge damaged by cleaning agents (other than those stated to be “unacceptable”) as long as it is still under warranty.

Vocera continues to evaluate materials for safe use with the Badge. If in any doubt as to whether a cleaning agent would cause damage to a Badge or Smartbadge, please contact your Vocera representative for additional guidance.

There is a “no return” policy for any Badge considered to be a bio-hazard, and there is no cleaning process for Badges dropped in any liquids or body fluids. Disposal is the only option in these scenarios.

Lanyards and other wearable accessories

Vocera wearable accessories (Lanyards) may be laundered and allowed to air dry. If there are questions regarding contamination, Vocera suggests disposing of the wearable accessories following usual biohazard guidelines.

Anti-microbial protection included in Vocera devices

To protect your Vocera device from microbes, some germicide agents can be used. Most exterior surfaces of a Badge or Smartbadge incorporate an antimicrobial additive from BioCote® to inhibit the growth of odor-causing bacteria, mold, and fungi. This additive is molded into the device material, and you cannot wear it off or remove it by scratching the device.

The buttons and the plastic display screen of the Badge and Smartbadge have also been treated in manufacturing with a topical solution, also from BioCote. The battery compartment, the inner surface of the battery, and the microphone screen do not incorporate antimicrobial protection.

Ultraviolet Cleaning

Ultraviolet (UV-C) cleaning has become more popular as a non-contact method for disinfection. Several products are now being built specifically for mobile communication devices. The resin used in Vocera devices has been explicitly selected for its resistance to chemicals and to UV degradation. Although no long-term evaluation has yet been conducted, early test exposure to UV cleaning indicates that this would cause no adverse effects to Vocera devices. It is considered an acceptable method for disinfecting Vocera devices.