



DTG Medical Electronics

Reusable NIBP Cuff Cleaning and Disinfection Guide

Purpose

This guide provides instructions for cleaning and disinfecting DTG Medical Electronics reusable non-invasive blood pressure (NIBP) cuffs, specifically designed for cuffs made with Nylon and TPU materials. Proper cleaning and disinfection procedures are essential to ensure patient safety, prevent cross-contamination, and extend the cuff's lifespan.

Materials Needed

- Approved hospital-grade disinfectant compatible with Nylon and TPU (see list below)
 - Soft cloths or disposable wipes
 - Clean water
 - Disposable gloves
 - Towels for drying (if needed)
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Approved Hospital-Grade Disinfectants

The following disinfectants are compatible with Nylon and TPU materials in DTG Medical Electronics NIBP cuffs. Always follow manufacturer instructions for safe usage:

1. **CaviWipes (without alcohol)** – A low-alcohol, quaternary ammonium compound, safe for Nylon and TPU materials.
2. **Sani-Cloth AF3** – An alcohol-free disinfectant wipe suitable for TPU, widely used for medical equipment.
3. **Oxivir Tb** – Hydrogen peroxide-based cleaner, effective against a broad spectrum of pathogens, gentle on Nylon and TPU.
4. **Accel TB Wipes** – Another hydrogen peroxide-based option compatible with TPU and Nylon.
5. **Virex II 256** – A low-residue quaternary ammonium compound, effective on medical surfaces.

Note: Always refer to DTG Medical Electronics guidelines and the cuff's specific manufacturer instructions for compatibility before using any disinfectant.

Non-Approved Disinfectants



The following disinfectants should not be used on DTG Medical Electronics NIBP cuffs, as they may cause material degradation over time:

- **High-Concentration Alcohol (70% or above)** – Can harden TPU and weaken Nylon over time.
 - **Bleach** (full strength or high concentration) – Strong bleach can break down TPU and Nylon materials.
 - **Phenolic-based disinfectants** – Often too harsh for Nylon and TPU, potentially leading to degradation.
 - **Ammonia-based cleaners** – Can lead to breakdown of Nylon fibers and TPU structure.
 - **Abrasive cleaners** – Any cleaner with scrubbing agents or microbeads can scratch or damage the cuff surface.
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Cleaning and Disinfection Instructions

1. Prepare for Cleaning

- Wear disposable gloves to prevent contamination.
- Gather all cleaning materials and prepare a clean workspace.

2. Inspect the Cuff

- Check the cuff for any visible dirt, stains, or signs of wear or damage.
- Ensure there are no leaks or tears in the cuff, tubing, or connectors.
- Remove any detachable components that can be cleaned separately, if applicable.

3. Clean the Cuff Surface

- **Soap and Water Method** (for preliminary cleaning):
 - Dampen a soft cloth with warm, soapy water.
 - Gently wipe the entire cuff surface, focusing on areas that contact the skin.
- **Disinfectant Application:**
 - Use one of the approved disinfectants listed above.
 - Follow the disinfectant's recommended contact time to ensure effective sanitization.

4. Rinse (if necessary)

- After using soap or disinfectant, use a clean, damp cloth to wipe down the cuff and remove any residue.
- Avoid immersing the cuff in water to prevent damage to internal components.



5. Dry the Cuff

- Use a clean, dry towel to pat the cuff or allow it to air dry completely.
- Ensure no moisture remains before the cuff is reused.

6. Inspect and Reassemble

- Check the cuff for any residual moisture or residue.
- Reattach any components removed during the cleaning process.

7. Document and Store

- Log the cleaning in any required equipment maintenance records.
 - Store the cuff in a clean, dry area until it is ready for use.
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Additional Tips

- **Cleaning Frequency:** Clean cuffs after each patient use, especially in high-risk or critical care settings.
 - **Compatibility Check:** Always consult DTG Medical Electronics guidelines and specific manufacturer instructions for disinfectant compatibility.
 - **Avoiding Damage:** Use only approved cleaning agents and avoid abrasive cleaners to maintain cuff quality and longevity.
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Contact Information

For additional guidance or questions regarding DTG Medical Electronics NIBP cuffs, please contact DTG Medical Electronics Customer Support:

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