

Recommendation for the Cleaning and Disinfection of the Lokomat®/ Andago®

1. General

According to the Guideline for sterilization and disinfection in Healthcare facilities, Hocoma /DIH products are noncritical items. *“Noncritical items are those that come in contact with intact skin but not mucous membranes. Intact skin acts as an effective barrier to most microorganisms; therefore, the sterility of items coming in contact with intact skin is “not critical.”* The following processes are recommended, but should be adapted in compliance with local or national guidelines which may apply within the healthcare facility or the country of use:

- Pre-Cleaning / Cleaning (if necessary)
- Disinfection

Patients may be at high risk for infections. We therefore recommend that you take additional cleaning and disinfection measures as well as protection measures for patient and therapists.

While we recommend the following, we advise that you first and foremost follow the guidelines already in place at your facility, or consult with an internal disinfectant expert for further advice.

2. Pre-Cleaning / Cleaning

- Make sure that the device is switched off
- Visible dirt and particles should be wiped clean, using a wet cloth or a dry brush before starting the disinfection procedure.

3. Disinfection

- The device can generally be disinfected with the procedure of surface disinfection using wipes and / or sprays.
- The more delicate orthopedic parts must be washed at the end of each workday to ensure proper disinfection. Between patients/therapists these surfaces must however also be disinfected using either wipes or foam spray (see following Recommended Disinfection Procedure 3.1). This applies to parts such as: harnesses, foot straps, leg straps, leg loops, depending on the products at your facility.
- Please ensure that no liquids, including disinfectant comes in contact with electronic interfaces.
- The use of disinfection showers is not permitted due to electric connections and unsealed moveable parts.
- Ensure that surfaces to be disinfected are covered well with disinfectant.

3.1 Recommended Disinfection Procedures for Device Components

Devices should be routinely cleaned and disinfected between patients and at regular intervals while in use. Please use the following advice as appropriate for the device(s) at your facility

Components	Disinfection Procedure
After each patient and between therapists	
Back cushion Pelvic cushion Parallel Bars / Hand rails Orthosis Cover Treadmill Foot straps	Wipe
Leg cuffs	Foam spray ^b Spray disinfection/wipe after each patient
Orthopedic material: - Harness - Hip cushion - Groin padding - Leg straps - Leg loops - Shin Pads - Pelvic/chest straps	Machine wash ^c Or Spray disinfection/ wipe
Monitor / touch screen Remote control Telestop	Wipe ^a
If needed, e.g. due to pollution with body fluids (e.g. sweat, urine, faeces)	
Metal components: - Frame - Orthosis	Wipe ^a
- Leg cuffs	Remove pollution fluids and visible dirt from textile parts under running water. Avoid rinsing the metal hinges. Wipe ^a carbon and metal parts. Foam spray ^b textile parts until fully soaked.
Orthopedic material: - Harness - Hip cushion - Groin padding - Leg straps - Leg loops - Shin Pads - Pelvic/chest straps	Machine wash ^c

- ^a Includes mechanical cleaning.
- ^b Surface needs to be fully wet; dry before reuse.
- ^c Wash with 60°C; use laundry bag; delicate fabric cycle.

3.2 Recommended Disinfectants

When choosing disinfectants, keep in mind the following:

- (1) health aspects of the staff/patients,
- (2) material compatibility,
- (3) instructions provided by the respective disinfectant / cleaning agent.

Hocoma/DIH recommends the use of disinfectants based on quats (Quaternary Ammonium Compounds), since these provide the best material compatibility, are environmentally friendly and economical.

Please note that some quats are too alkaline for certain materials in our products. Always check the label first: quaternary solutions with a pH >10 are not recommended (or need to be diluted). The use of quats (wipes) containing sodium hydroxide (NaOH) is NOT recommended.

Always make sure to remove any soap residues before disinfection/cleaning and to rinse surfaces with a wet cloth afterwards to prevent build-up of residual cleaning chemicals, especially in case of any visual residuals. Lastly, assure surfaces are dry before use.

Disclaimer:

The responsible organization (operator of the medical devices) has the obligation to fulfill all applicable general, local or national hygiene instructions to protect patients, employees and third-party personnel from any kind of possible infections.

Hocoma/DIH cannot be held responsible for infectious diseases caught while using their products.

(These recommendations are not exhaustive. There may be local processes/substances that already comply with cleaning and disinfecting requirements)

- Please note that alcohol-based disinfectants can be used, but may lead to changes in material composition over medium to long-term application.
- In case of any uncertainties, please always consult an internal disinfectant expert.