







Cleaning and disinfection






Minimize risk, maximize uptime

Avalon cabled and cableless transducers and accessories

Please follow these instructions to ensure proper operation and a long product life.

Do's and Don'ts

-  Ensure you apply all instructions for use (IFUs) and strictly observe all warnings and cautions.
-  Clean transducers after each use to reduce risk of infection.
-  When using cleaning agents, follow the manufacturer's usage instructions regarding residue removal and dilution strength.
-  Before storing transducers, ensure that they are thoroughly dry to avoid risk of electrical failure.
-  If you are unsure whether a certain agent can be used, please contact your Philips representative.
-  Wash soiled reusable belts with soap and water. Water temperature should not exceed 60°C/140°F.

-  Do not immerse or soak the transducer or connectors for extended periods of time.
-  Do not use abrasive materials (steel wool or silver polish) or cleaners, acetone, MEK, paint thinner, bleach or other strong solvents to clean the transducers.
-  Do not put the accessories in autoclave (for sterilization). Do not dry equipment using heating devices.
-  Do not mix disinfecting solutions (such as bleach and ammonia) as hazardous gases may result.
-  To reduce the risk of skin irritations, do not allow a cleaning or disinfecting agent to leave residues on any equipment surfaces.

Cleaning recommendations

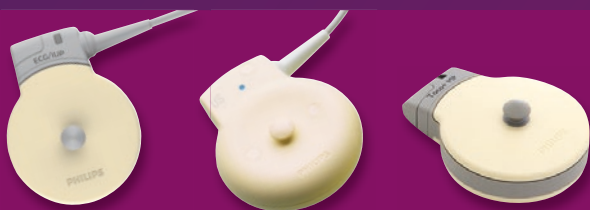
1. Before cleaning, **visually inspect the transducers for dust and soiling**. If the transducer is especially dirty, use swabs to clean it before proceeding. Clean with a lint-free cloth, moistened with warm water (40°C/104°F maximum) and soap, a diluted non-caustic detergent, tenside, or phosphate-based cleaning agent.
2. Using a damp (but not dripping) non-linting **wipe the entire surface of the transducer for three minutes until visibly clean**
3. **Remove any cleaner residue** by wiping the transducer surface at least one time with a damp (but not dripping) non-linting wipe with tap water.
4. **Thoroughly dry the transducer** using non-linting wipe(s).
5. **Inspect the transducer in a well-lit area** to ensure the entire surface is clean.

Disinfection recommendations

1. **Clean the transducers before disinfection.**
2. Wipe the exterior surface of the transducer(s) using non-linting wipe(s) damp (but not dripping) with **80% Isopropyl Alcohol (IPA)**. In case of an epidemic the disinfectants requested by the local authorities should be used for the duration of the epidemic.
3. The disinfectants listed on page 2 were used for material compatibility during product development. **Philips recommends using one of the agents/disinfectants**. These contain the most common ingredients and have been tested by Philips for compatibility.
4. **Allow all surfaces to remain visibly wet for a minimum of ten minutes**. If needed, use additional wipes to ensure the surfaces remain wet for the full duration.
5. **Thoroughly dry the transducer** using non-linting wipe(s).

Clean and disinfect the transducers including the ECG adapter cables, the Avalon CL base station, the port in the DECG adapter cable and the cableless transducers after each use. Clean the equipment before disinfecting. We recommend that you use one of the following disinfectants:

Product Name	Product Type	Ingredients
Isopropanol	liquid	Isopropanol 80%
Bacillol® AF	liquid, spray	100 g concentrate contains: Propan-1-ol 45.0 g Propan-2-ol 25.0 g Ethanol 4.7 g
Bacillol®25	liquid	Ethanol 100 mg/g Propan-2-ol (= 2-Propanol) 90 mg/g Propan-1-ol (= 1-Propanol) 60 mg/g
Meliseptol®	spray	50% 1-Propanol
Accel TB RTU	liquid	0.5% accelerated hydrogen peroxide
Oxivir® Tb Cleaner Disinfectant	spray	0.5% accelerated hydrogen peroxide
Oxivir® Tb Wipes	wipes	0.5% accelerated hydrogen peroxide
Carpe Diem™/MC Tb Ready-to-Use General Virucide, Bactericide, Tuberculocide, Fungicide, Sanitizer	spray	0.5% accelerated hydrogen peroxide
Carpe Diem™/MC Tb Wipes	wipes	0.5% accelerated hydrogen peroxide
Super Sani-Cloth Germicidal Disposable Wipes	wipes	Isopropanol 55% quaternary ammonium chlorides 0.5%
SANI-CLOTH® PLUS Germicidal Disposable Wipes	wipes	Isopropanol 15% quaternary ammonium chlorides 0.25%
SANI-CLOTH® HB Germicidal Disposable Wipes	wipes	Isopropanol < 0.15% quaternary ammonium chlorides 0.14%



New functionality, improved usability and a sleek design

Improving patient care is the driving force behind our advancements. Our transducers are precise and accurate, ergonomic and feature smart pulse measurements and digital signal processing.

The value of protecting your transducers.

Elimination of Risk

Maximised Uptime

Diagnostic Confidence

