

CLEANING AND DECONTAMINATION INSTRUCTIONS

CUBESCAN BIOCON-700 BLADDER SCANNER

DEFINITIONS

Cleaning – a process that physically removes contamination but does not necessarily destroy microorganisms. Cleaning is a necessary pre-requisite to ensure effective disinfection or sterilisation.

Decontamination – a process, which removes or nullifies contamination by biomass reduction and thereby prevents microorganisms reaching a susceptible (body) site in sufficient quantities to cause infection.

EQUIPMENT PREPARATION



Prior to cleaning or decontaminating the Cubescan BioCon range of bladder scanners ensure that the device is not connected to the mains and is switched off.

Care should be taken when handling the probe. Ensure it is not knocked or dropped during the cleaning or decontamination process.

IT IS RECOMMENDED TO CHECK THE OPERATION OF THE BLADDER SCANNER AFTER CLEANING AND DECONTAMINATION.

PRECAUTIONS



- Do not use harsh or corrosive chemicals e.g. hydrochloric acid, bleach, or abrasive cleaners on the probe.
- To avoid electric shock, disconnect the system from the AC mains and the battery.
- Ensure that you follow the manufacturer's instructions for handling and disposing of the cleaning and disinfection solutions provided in this guide.
- Do not re-use cloths or wipes.
- Do not subject any part of the instrument to pressure sterilisation, Hydrogen peroxide fogging, steam, ethylene oxide, radiation, or similar methods of sterilisation or autoclaving.
- Do not immerse the probe, probe cable, probe plug, scanner main unit, or the charger and mains lead into water or any cleaning fluids.
 - NB: The tip of the probe, as indicated below, may be immersed as part of the cleaning and disinfecting procedure if necessary:



CLEANING

Prior to using the scanner, it is recommended that the following cleaning methods are followed.



Cleaning is critical to ensuring the scanner is ready for decontamination. Failure to complete the cleaning process could result in a contaminated bladder scanner following decontamination. Ensure the wipes have not expired.

Based on the normal use of the Cubescan BioCon range of bladder scanners and the tissue it contacts during normal use, we recommend low level disinfection is the minimum level required.

Probe

- Inspect the probe and cable for any damage such as cracks.
- Remove excess ultrasound gel from the probe using a clean paper towel.
- Wipe the probe using detergent wipes as recommended by the trust.

Cable, display and trolley

- Wipe the probe cable, scanner main unit and display and trolley with detergent wipes as recommended by the trust.
- Allow the bladder scanner to remain wet for the minimum stated period of time on cleaning product
- Allow the probe, display and trolley to dry for at least 20 seconds prior to use. It is recommended to wipe the bladder scanner, particularly the probe, with a clean cloth or a paper towel(s) to ensure all residual cleaning materials are removed from the scanner.

CLEANING PROCEDURE

After each use of the scanner, it is recommended that the following cleaning methods are followed:

Cleaning the outer case (housing) of the system:

- Air dry or towel dry with a soft clean cloth.
- Wipe the main body 1-2 times using a soft cloth dampened with isopropyl alcohol or any other appropriate hospital cleaning solution to 1000 ppm. Do not allow liquids to leak into the device while cleaning.
- Dry the device completely with a clean dry cloth before using.

Cleaning the probe:

Since the surface of the Probe affects the result of data, users should keep to the following:

- Inspect the probe and cable for any damage such as cracks.
- Air dry or towel dry with a soft clean cloth.
- Before using the device wipe the probe head 4-5 times with a soft cloth dampened with isopropyl alcohol or any other appropriate hospital cleaning solution to 1000 ppm.

- Dry the device completely with a clean dry cloth before using.
- Remove any residue of gel from the probe after scanning is complete.

DISINFECTION

Disinfection of the probe

- Inspect the probe and cable for damage such as cracks.
- Clean the probe prior to disinfection.
- Dampen a soft cloth with disinfection solution listed in the table below.
- Wipe the probe with the dampened cloth.
- Air dry or towel dry with a soft clean cloth.



Do not use harsh or corrosive chemicals e.g. hydrochloric acid, bleach. To avoid electric shock, disconnect the system from the AC mains and the battery.

A complete list of manufacturer approved disinfectants is provided at the end of this guidance.

DEEP CLEANING

If either the outer case of the scanner unit or the probe become contaminated with faeces, urine or blood or any other dangerous bacteria, it is advised to clean with a cleaning agent to 10000 ppm such as Chlor-Clean 4.5g Haz Tabs following the Chlor-Clean manufacturer's dilution instructions. Following this the following must be carried out: 'that after surfaces have been disinfected for about 15 minutes the area should be washed off with a fresh water dampened soft, clean cloth and DRIED carefully afterwards. Failure to follow these instructions could lead to damage of the plastic outer casing of both the scanner unit and the probe and will be considered as abuse and will void the warranty.

Hydrogen Peroxide Vapour 4.9% (Deprox) – Probe only
 Suitable for use with the **probe only** as long as the integrity of the probe is in-tact. Please follow the guidance within this document following the procedure. **Not suitable for the main unit as it is not sealed.**

The BioCon-700 is compatible with UV environmental decontamination.

DISINFECTANTS LISTS FOR THE PROBE DISINFECTION

Use any glutaraldehyde-based disinfectant to disinfect the Probe.




Do not use Cidex Plus or Metricide Plus 30 to disinfect the device. Cidex Plus or Metricide Plus 30 will attack and damage the plastic enclosure. This will be considered as abuse and will void the warranty.

There are two types of probe supplied with the BioCon-700;

PROBE 3B70201020 - AVAILABLE FROM MARCH 2018


The following solutions have demonstrated material compatibility with the following probes:

Picture	Part numbers	Parts	Remarks
	3B70201020	Probe (Transducer)	Note: The probe may vary depending on your purchasing specifications.

Disinfection Solutions	Manufacturer
Actichlor Plus (max 1000ppm)	Ecolab
Caltech Dispatch™	Clorox Healthcare®
CaviWipes 1™	Metrex Research Inc.
Chlorine Disinfection	WETWIPE®
CleanCide Wipes	Wexford Labs
Clinell Universal wipes/disinfectant wipes	Gama Healthcare Ltd
Clorox Healthcare® Bleach Germicidal Wipes	Clorox Healthcare®
Clorox Healthcare® Hydrogen Peroxide	
Ethanol Disinfection	WETWIPE®
Medipal detergent and disinfectant wipes	PAL International
Micro-Kill Bleach Germicidal Bleach Wipes	Medline industries, Inc.
Micro-Kill Disinfectant Wipes	Medline industries, Inc.
Micro-Kill One Germicidal Alcohol Wipes	Medline industries, Inc.
Micro-Kill+ Disinfectant Wipes	Medline industries, Inc.
Sani-Cloth® AF3	PDI® healthcare
Sani-Cloth® Bleach	PDI® healthcare
Sani-Cloth® HB	PDI® healthcare
Sani-Cloth® Plus	PDI® healthcare
Super Sani-Cloth®	PDI® healthcare
SURFA'SAFE Premium	ANIOS
Triamin Disinfection	WETWIPE®
WIP'ANIOS Excel	ANIOS

PROBE 3B70201001

The following solutions have demonstrated material compatibility with the following probes:

Picture	Part #	Parts	Remarks
	3B70201001 3B70299001 3B70201012 3B70299003	Probe (Transducer)	Note: The probe may vary depending on your purchasing specifications.

Disinfectant	Type	Manufacturer
Anios Surfa'safe Premium	Liquid	Anios
WIP'Anios Excel	Liquid	Anios
Chlor-Clean(max 1000 ppm)	Liquid	Guest Medical Ltd



Cidex	Liquid	Johnson & Johnson
Cidex 7	Liquid	Johnson & Johnson
Cleancide wipes	Wipes	Wexford Labs
Clinell Universal wipes/disinfectant wipes	Wipes	Gama Healthcare Ltd
Clorox bleach germicidal	Wipes	Clorox Healthcare
Medipal detergent and disinfectant wipes	Wipes	PAL International
Metricide 14	Liquid	Johnson & Johnson
Metricide 28	Liquid	Johnson & Johnson
Micro-Kill disinfectant wipes	Wipes	Medline
Micro-Kill bleach germicidal		
Sani-Cloth Active	Wipes	PDI Europe
Sani-Cloth AF3		
Sani-Cloth HB		
Super Sani-Cloth		
Super Sani-Cloth Plus		
Trigene	Wipes	Medichem
Trigene Advance	Wipes	StarLab
Tristel Trio	Wipes	Tristel Solutions Ltd
Tristel Jet	Liquid	
Tristel Fuse	Liquid	
Wetwipe Chlorine disinfection	Wipes	Wetwipe
Wetwipe Triamin disinfection	Wipes	