

# CLEANING AND DECONTAMINATION GUIDELINES

## CUBESCAN BIOCON-900 BLADDER SCANNER

All cleaning solutions/methods to be in accordance with the manufacturer's instructions.

### 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 sterilization.

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 scanner. 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 scanner.
- 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 sterilization, hydrogen peroxide fogging, steam, ethylene oxide, radiation, or similar methods of sterilization or autoclaving.
- Do not immerse the scanner, docking station or mains lead into water or any cleaning fluids.
  - NB: The domed tip of the scanner, 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.

### Scanner

- Inspect the scanner for any damage such as cracks.
- Remove excess ultrasound gel from the scanner head using a clean paper towel.
- Wipe the scanner using detergent wipes as recommended by the trust allowing the device to remain wet for the minimum stated period of time on cleaning product.
- Allow the scanner to dry for at least 20 seconds prior to use. It is recommended to wipe the bladder scanner, particularly the scanner head, with a clean cloth or paper towel(s) to ensure all residual cleaning materials are removed from the scanner.

### Docking station and trolley

- Wipe the docking station 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 docking station and trolley to dry for at least 20 seconds prior to use. It is recommended to wipe cleaned surfaces, with a clean cloth or paper towel(s) to ensure all residual cleaning materials are removed.

## 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 scanner head:

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

- Inspect the scanner for any damage such as cracks.
- Air dry or towel dry with a soft clean cloth.
- Before using the device wipe the scanner 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 scanner after scanning is complete.

## DISINFECTION

### Disinfection of the scanner

- Inspect the scanner for damage such as cracks.

- Clean the scanner prior to disinfection.
- Dampen a soft cloth with disinfection solution listed in the table below.
- Wipe the scanner 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 manufacturers approved disinfectants is provided at the end of this guidance.

## DEEP CLEANING

If the scanner becomes 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 docking station and will be considered as abuse and will void the warranty.

## HYDROGEN PEROXIDE VAPOUR 4.9% (DEPROX)



The BioCon-900 is **NOT COMPATIBLE** with Hydrogen Peroxide Vapour.

The BioCon-900 is compatible with UV environmental decontamination.

## DISINFECTANTS LISTS FOR THE SCANNER DISINFECTION

Use any glutaraldehyde based disinfectant to disinfect the scanner.



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.

The following table lists compatible disinfectants:

Disinfectant	Type	Country of Origin	Manufacturer
Cidex	Liquid	USA	Johnson & Johnson
Cidex 7	Liquid	USA	Johnson & Johnson
Metricide 14	Liquid	USA	Johnson & Johnson
Metricide 28	Liquid	USA	Johnson & Johnson
Chlor-Clean (max 1000 ppm)	Liquid	UK	Guest Medical Ltd
Trigene	Wipes	UK	Medichem
Tristel: Trio Jet Fuse	Wipes Liquid Liquid	UK	Tristel Solutions Ltd
Quaternary Disinfectant	Wipes		Ecolab
Sani-Cloth Active Sani-Cloth AF3 Sani-Cloth HB Sani-Cloth Universal Super Sani-Cloth Super Sani-Cloth Plus	Wipes	UK	PDI Europe
Trigene Advance	Wipes	UK	StarLab
Clinell Universal wipes/disinfectant wipes	Wipes	UK	Gama Healthcare Ltd
Medipal detergent and disinfectant wipes	Wipes	UK	PAL International
Micro-Kill disinfectant wipes Micro-Kill bleach germicidal	Wipes	USA	Medline
Clorox bleach germicidal	Wipes	USA	Clorox Healthcare
Anios Surfa'safe Premium WIP'Anios Excel	Liquid Liquid	France	Anios
Cleancide wipes	Wipes	USA	Wexford Labs
Wetwipe Chlorine disinfection Wetwipe Triamin disinfection	Wipes Wipes	Denmark	Wetwipe
Actichlor Plus (max 1000ppm)	Liquid	UK	Ecolab
Tristel Trio Tristel Jet Tristel Fuse Duo ULT (chlorine dioxide) Duo Wipes (dry)	Wipes Liquid Liquid Wipes	UK	Tristel Solutions Ltd