

HOSPITAL STERILIZATION & DECONTAMINATION UNIT

Decontamination / Sterilization Processes

Listed below are the current wash and sterilization processes provided by HSDU. Before purchasing or accepting instruments on trial please ask the instrument Company representative to review the decontamination/sterilization processes to ensure instrument compatibility.

If the processes available are not compatible and the instrument is still required the instrument Company must supply a declaration to state the processes are acceptable and will not damage the instrument causing harm to patient.

Decontamination/wash

Manual cleaning

Manual washing, unless used as a pre-clean prior to an automatic washer disinfectant process, should be avoided.

Manual washing only as a decontamination process is not good practice.

Ultrasonic cleaning

Within HSDU ultrasonic cleaning is performed as a pre-clean process prior to further cleaning in a washer disinfectant.

Washer Disinfectant

This is an automatic process with:

Pre-wash cold water at below 25 deg C

Wash at below 60 deg C (*three washers have a three wash phase for Neuro and robotic instruments)

Rinse at 60 deg C

Disinfection with RO water at 92 deg C for 2 minutes

Drying at 121 deg C

Detergents

Manual Wash – Medisafe EDA+ Enzyme Detergent Alkaline+ pH 13-14

Ultrasonic Cleaning – Medisafe EDA+ Enzyme Detergent Alkaline+ pH 13-14

Washer Disinfector X 4 with Serchem Delta alkaline/ pH 12 – 14
Washer Disinfector X 2 with Serchem Phoenix pH neutral/ pH 7 – 8.5
Washer disinfector X 3 with Medisafe EDA+ Enzyme Detergent
Alkaline+ pH 13-14 (*these washers have three wash phases)

Sterilization

Steam Sterilization

Pre-vacuum Porous Load Sterilizer – temperature at sterilization
134 - 137°C – Hold time, minimum of 3 minutes

One sterilizer dual cycle, as above plus low temperature cycle at
121 - 123°C – Hold time, minimum of 15 minutes.

This low temperature cycle is not common if the machine breaks down
there is no back up within the hospital or Llandough.

Hydrogen Peroxide

V-Promax sterilizer with Flexible, Lumen and Non Lumen cycles

Note: This is not the Sterrad System