POWER QUICK Medical Device Reprocessing System

! These are examples. Please follow item's manufacture's instruction for reprocessing and compatibility.

Example Items

- **Critical Items**
  - Surgical instruments: Surgical scissors, Medical Knife, Sonde, Needle forceps, Locking forceps, Towel forceps, Thumb forceps
  - Endoscopes used in sterile cavities: Laparoscopes, Arthroscopes
- **Semicritical Items**
  - Endoscopes: Gastrointestinal endoscopes, Bronchoscopes
  - Respiratory therapy equepment etc.: Laryngoscope blades, Bite block, Tongue depressor, Oxygen mask, Oxygen cannula
- **Noncritical Items**
  - Gargling basin, Kidney dish, Blood pressure cuffs

Out Patient Department, Wards

Pre-Cleaning

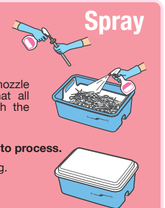
Example of Personal Protection

Spray

Pre-Cleaning Spray

USE

1. **Spray directly on medical instruments without dilution immediately after use.**
   - For tubular instruments, turn the spray nozzle to the "JET" position, making sure that all instrument surfaces are in contact with the liquid.
2. **Keep the container covered until ready to process.**
   - No rinsing is required as it is non-foaming.



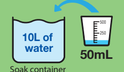
Compatibility

Stainless steel, Aluminum, Copper, Brass
For plastic or rubber products, test compatibility with a small area before using.

Manual Cleaning

USE

1. **Prepare 0.5% solution of PQ Cleaner with water. (approx. 20°C. Ideally 40°C)**
   - Adjust between 0.25 and 2.0% depending on the degree of soil.



2. **Immerse used medical instruments in the dilution for 10 minutes with the lid of the container closed.**
   - Disassemble medical instruments with removable parts.
   - Open all hinged instruments.
   - Adjust the immersion time depending on the degree of soil.
3. **Rinse completely with running water.**
4. **Keep in a closed container until ready to process.**

Change of solution

Replace the solution when it appears too dirty for another use or at least once a day.

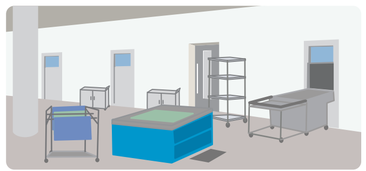
Compatibility

Stainless steel, Aluminum, Copper, Brass
For plastic or rubber products, test compatibility with a small area before using.

Central Sterile Services Department

Thorough Cleaning

Example of Personal Protection

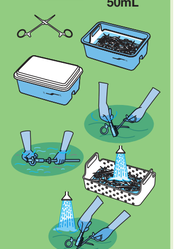


Manual Cleaning

USE

1. **Prepare 0.5% solution of PQ Cleaner with water. (approx. 20°C. Ideally 40°C)**
   - Adjust between 0.5 and 2.0% depending on the degree of soil.

2. **Immerse used medical instruments in the dilution for 10 minutes.**
   - Disassemble medical instruments with removable parts.
   - Open all hinged instruments
   - For tubular instruments, flush solution through internal areas.
   - Adjust the immersion time depending on the degree of soil.
   - Use a brush if necessary.
3. **Rinse completely with running water.**



Change of solution

Replace the solution when it is too dirty for another use or at least once a day.

Compatibility

Stainless steel, Aluminum, Copper, Brass
For plastic or rubber products, test compatibility with a small area before using.

Ultrasonic Cleaning

Jet washer Cleaning

Maintenance

Soaking and Jet washer

Power Forge

USE

1. **Prepare a dilution of PQ Power Forge in a covered container.**
   - Recommended concentration is 0.5% (50 mL / 10 L of water).

2. **Immerse cleaned medical instruments in the dilution for about 30 sec.**
   - Disassemble medical instruments with removable parts.
   - Open all hinged instruments.

3. **Drain the instruments well and dry thoroughly.**
   - Rinsing is not required.

Change of solution

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Compatibility

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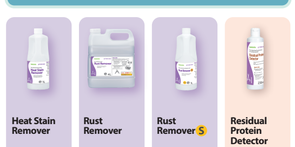


References

1: FDA, Reprocessing Medical Devices in Health Care settings: Validation Methods and Labeling, Guidance for Industry and Food and Drug Administration Staff, 2015

2: CDC, Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008

3: Van Medical, From cleaning to sterilization of medical devices (translated title), 2013

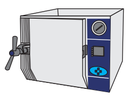
4: WHO, Practical Guidelines for Infection Control in Health Care Facilities, 2004

Sterilization or Disinfection

※Follow the manufacuture's instruction for reprocessing and compatibility.

※Dry completely before mechanical sterilization.

Steam Sterilization



Hydrogen Peroxide (H_2O_2) Sterilization

Ozone (O_3) Sterilization

Ethylene Oxide (EO) Sterilization

Plasma Sterilization

Liquid Chemical Sterilization e.g. Peracetic Acid

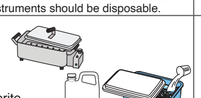
For wiping:
- 70-90% ethanol or isopropyl alcohol

For soaking:
- Sodium hypochlorite

Note: In principle instruments should be disposable.

- Pasteurization

For soaking:
- Sodium hypochlorite



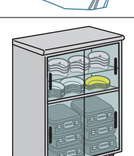
For wiping:
- Sodium hypochlorite
- 70-90% ethanol or isopropyl alcohol

Drying and Storage

Store in a well-ventilated area that provides protection against dust, moisture, insects, and temperature and humidity extremes.

Store after drying in plastic bags to maintain cleanliness.

Store after drying.



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