

IX.A. Cleaning and Disinfecting Instructions

 **WARNING**

Users of the DGH 55 Pachmate have an obligation and responsibility to provide the highest degree of infection control possible to patients, co-workers and themselves. To avoid cross contamination, follow all infection control policies established for the office, department or hospital as they apply to personnel and equipment.

 **WARNING**

Always disconnect the DGH 55 Pachmate probe from the Pachmate handpiece before performing maintenance or cleaning.

Always follow the manufacturer's instructions when cleaning and disinfecting probes.

Do not use a surgeon's brush when cleaning probes. Even the use of soft brushes can damage the probe.

Probe Cleaning

1. Wear protective gloves when performing the cleaning process.
2. Disconnect the probe from the handpiece.
3. Use a soft cloth (or equivalent) dampened with a mild soap or 70% isopropyl alcohol solution to remove any particulate matter or body fluids that remain on the probe. Do not immerse the entire probe in the cleaning solution. Caution: Care must be taken to prevent any liquids from coming into contact with the probe connector
4. To remove remaining particulates, rinse probe with water. Do not immerse the probe in the rinse solution.
5. Wipe with a dry cloth; or wipe with a water-dampened cloth to remove soap residue, and then wipe with a dry cloth.

Disinfecting the Probe Tip

The following disinfectants are recommended due to their compatibility with the DGH 55 probe tip material.

Disinfectant	Concentration Tested*
Cavicide Solution	(10-20%) Isopropyl Alcohol & (1-5%) Ethylene Glycol Monobutyl Ether
Cavicide Wipe	(10-20%) Isopropyl Alcohol & (1-5%) Ethylene Glycol Monobutyl Ether
Cidex	2.55% (w/w) Glutaraldehyde
Cidex OPA	6.2% by (w/w) Ortho-Phthalaldehyde (1,2 – benzenedicarboxaldehyde)
Isopropyl Alcohol	70% (v/v) Isopropyl Alcohol
Household Bleach	0.6% (w/w) Sodium Hypochlorite
Hydrogen Peroxide	3% (w/w) H ₂ O ₂
Milton	2% (w/w) Sodium Hypochlorite

*Note: The concentrations listed in this table are the specific concentrations that were tested by DGH to ensure compatibility with the DGH 55 probe tip material. DGH does not endorse or recommend the concentrations listed in the table above.

 **WARNING**

DGH makes no claims about the biological effectiveness as a disinfectant of any of the products listed above. Furthermore, DGH makes no claims regarding the effectiveness of any of these products for killing any known, or unknown, bacteria, virus, or other micro-organisms. DGH only claims that these products, when used properly, will not harm the clear plastic portion of the probe tip.

Instructions for Disinfecting Probe Surfaces when Using a Cavicide Wipe

1. Wear protective gloves when performing the disinfecting procedure.
2. Detach the probe from the handpiece.
3. Check the expiration date on the wipes that are being used. Use only wipes that are within the expiration date.
4. Thoroughly wet down the probe tip and probe housing according to the standard operating procedure (SOP) or equivalent document established by your facility or institution. Caution: Care must be taken to prevent any liquids from coming into contact with the probe connector.
5. Follow the instructions in the SOP for the duration of exposure to the disinfectant.
6. If applicable, follow the instructions outlined in the SOP for rinsing the probe tip.
7. Examine the probe for damage such as cracks, splitting, or sharp edges or projections. If damage is evident, discontinue use of the probe and contact a customer service representative.

Instructions for Disinfecting Patient Contact Surfaces when Using a Liquid Disinfectant

1. Wear protective gloves when performing the disinfecting procedure.
2. Detach the probe from the handpiece.
3. Check the expiration date on the solution that is being used. Use only solutions that are within the expiration date.
4. Mix the disinfectant listed in the table above according to the standard operating procedure (SOP) or equivalent document established by your facility or institution.
5. Immerse the tip of the probe approximately ¼ inch (6.35) mm in the disinfectant solution. Avoid immersion beyond the clear plastic tip / black housing interface.
6. Follow the instructions in the SOP for the duration of probe tip immersion. DGH probe tips may be damaged if immersed for longer than 1 hour.
7. If applicable, follow the instructions outlined in the SOP for rinsing the probe tip.
8. Examine the probe for damage such as cracks, splitting, or sharp edges or projections. If damage is evident, discontinue use of the probe and contact a customer service representative.

 **WARNING**

It is the responsibility of the user to keep themselves current with the latest information from the relevant disinfectant manufacturer concerning instructions, effects, necessary concentrations, immersion times and rinse requirements.

 **WARNING**

Using a non-recommended disinfectant, incorrect solution strength, or immersing the probe tip deeper than described in step #5 (above), or for a period longer than 1 hour can damage or discolor the probe tip and will void the probe warranty.

Do not immerse the probe tip for longer than one hour. The probe tip may be damaged by longer immersion times.

Disinfect the probe tip using only the liquid solutions above. Using autoclave, gas (EtO), or other non DGH Technology approved methods will damage the probe and void the warranty.