

Instrument Instruction

IOS INSTRUMENT WARRANTY

IOS instruments carry a lifetime warranty against material defects and craftsmanship. Reference the ordinary expected life of the product. We guarantee your instrument for Five years. This covers breakage, joint failure and corrosion under normal use. Proper cleaning and maintenance is required. Failure to properly care for instruments, including cleaning and lubrication may void this warranty. IOS reserves the right to decide whether and instrument is to be repaired or replaced. Sharpening cutters and repairing minor tip damage is considered routine maintenance with normal use and is not covered by warranty.

CAUTIONS

Do not use a metal brush or steel wool to clean instruments, as this will damage the finish of the instrument. Do not expose devices, cassettes, trays or sterilization containers to temperatures higher than 188 C / 370 F. Exposure to higher temperatures is the responsibility of the user. Do not use detergents or disinfectants containing the following substances:

- (1) Strong alkaline (>pH9)
- (2) Strong acids (<pH4)
- (3) Phenols or iodophors
- (4) Hydrogen peroxide (H₂O₂)
- (5) Interhalogenic agents / halogenic hydrocarbons / iodophors
- (6) Strong oxidizing agents / peroxides
- (7) Organic solvents

Water quality may influence the result of the cleaning and disinfection of the devices. Therefore, use only sterile or low contaminated water (maximum 10 germs/ml, maximum 0.25 endotoxin units/ml)

CLEANING

Remove cements and other bulk debris immediately after use. Clean instruments ultrasonically, using an enzymatic cleaning solution. Change your ultrasonic solution every shift or as needed

Clean and sterilize hinged instruments in the open position. Improper cleaning can lead to discoloration and oxidation. A proper cleaning will lengthen the life of your instruments. Only use detergents and disinfectants that are suitable with medical and dental instruments and follow the manufacturer's instructions in respect to concentration and time of exposure.

LUBRICATION

Lubrication instruments at least weekly prior to sterilization. Use only lubricants designed for precision hinged instruments such as instrument Lubricant Spray, 8 oz. How often depends on such factors as the frequency of use, type of applications in which the cutter is being used, etc. Routinely lubricating instrument will lengthen the life of your instruments.

TO MAXIMIZE YOYR INSTRUMENT'S LIFE

1. Clean instruments in the ultrasonic for 7-10 minutes using proper solution. Ultrasonic is NOT recommended for cutting pliers as it could dull or damage the cutting edge. For cutters, use high-volume sterile water. Never use any hard objects such as metal brush or pan scratcher to clean instruments as this would destroy the outer surface and increase the danger of oxidation.
2. Rinse instrument with distilled or filtered water. Rinsing with regular tap water may contain a high level of silicate, which leads to stains formation on instruments during sterilization.
3. Dry instruments with compressed air, especially in the joint area
4. Sterilize the instrument.

STERILIZATION

- * **Autoclave:** Sterilize for 12 minutes at 134 C using sterile water. DO NOT mix rusty instruments with clean instruments as a rusty spot could be formed on the clean instruments.
- * **Cold (2% Glutaraldehyde):** Immerse instruments in the prepared bath for recommended time. Never leave instruments in the bath overnight or over the weekend. After cold sterilization, pliers and instruments must thoroughly cleaned and rinsed with distilled water to remove any chemical residues.

For More Information

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