

1. INSTRUMENT PREPARATION

- Remove all blood, tissue and soil from instruments using an enzymatic cleanser, and rinse the instruments thoroughly to remove any residue.

Dry all items completely and inspect each instrument for proper function. Moisture on instruments will lead to cancellation of the cycle. Compressed air may be used to blow moisture out of lumens and other hidden spaces.



2. INSTRUMENT PACKAGING

- Instruments can be packaged for sterilization utilizing different systems.

Use polypropylene wrap or blue APTIMAX® Instrument Holders to secure delicate instruments in the trays.

APTIMAX® Instrument Trays are recommended for use in the STERRAD® System, as they have been designed to allow optimal diffusion of hydrogen peroxide plasma around all items in the load. Container systems tested and cleared for use in STERRAD® Sterilizers and may be useful for heavy instrument sets.

APTIMAX® Instrument Trays can be enclosed in either polypropylene wrap or in Tyvek® Pouches with STERRAD® Chemical Indicators.

- Place a chemical indicator strip inside each tray prior to wrapping to provide confirmation that the instrument has been processed.

Peel pouches should not be placed inside wrapped trays.

If the instrument tray has been wrapped in polypropylene wrap, secure the wrap with STERRAD® SealSure® Tape. The tape color will change to golden yellow or lighter during the sterilization cycle, indicating that the tray has been processed.



- Single instruments may be placed in peel pouches, enabling easy identification of pouch contents.

Tyvek® pouches with STERRAD® Chemical Indicators are made of Tyvek®, which is permeable to hydrogen peroxide vapor and provides a microbial barrier.

A STERRAD® Chemical Indicator Strip should be placed inside each pouch.

Tyvek® pouches, that are printed with a chemical indicator between the seals on the side of the pouches, do not require an extra chemical indicator strip inside.

Writing the contents on the STERRAD® SealSure® Chemical Indicators (CI) Tape may assist with identification of the pouch contents.



3. LOADING THE STERILIZER

- Multiple peel pouches should be placed on edge inside an uncovered tray. Pouches should be placed in the tray so that the clear side of one pouch faces the opaque side of the next pouch.

- Double pouching a number of small instruments to facilitate opening on to the sterile field may be preferred.

Select pouch sizes so the inner pouch can be placed inside the outer pouch without folding. Both pouches should have the clear sides facing in the same direction.

- Provide at least 25 cm (1inch) of space between the electrode and the top of the load. Place trays flat on the sterilizer shelves in a single layer. Do not stack trays. A single peel pouch should be placed flat on the shelf with the Tyvek® side facing up.



PRACTICES TO AVOID

DO NOT process the following:

- Items made of materials containing cellulose, such as cotton, paper or cardboard, linens, huck towels, gauze sponges, or any item containing wood pulp
- Single use items
- Implants for which the manufacturer has not specifically recommended sterilization in the STERRAD® 100S Sterilizer
- Instruments or tubing with lumens that have not been completely dried
- Items wrapped in barrier material containing paper
- Foam pads in instrument trays

When loading the sterilizer, DO NOT:

- Stack instrument trays
- Place instrument trays on edge in order to fit more items in the sterilizer
- Insert the sterilizer shelf upside-down
- Put a large number of items in the sterilizer so that metal instruments contact the radio-frequency electrode
- Configure the load so that metal instruments are in contact with the walls or door of the sterilizer



ADVANCED STERILIZATION PRODUCTS

Division of Medos International Sàrl
a **Johnson & Johnson** company

IMPORTANT: Please review the STERRAD® 100S Sterilization System User's Guide for complete instructions on the proper use of the sterilizer.