**Sterilization of Glass Pyrex® Jones Tube, all types**

**A) Cleaning:**

Please consult your hospital for their approved method of cleaning glass. The following is pertinent information.

1. Jones Tubes manufactured by Gunther Weiss Scientific Glassblowing are made of Pyrex® glass and can be washed with neutral PH detergent, eg. Steris Prolystica 2X Concentrate Enzymatic Cleaner prepared to the manufacturers instructions. The Modified Jones Tube can be brushed with a soft nylon bristled brush (M-16) or equivalent for at least one (1) minute per device while immersed in the proteolytic enzyme solution. A cannulated brush (45-905) or equivalent is used to brush the lumen of the tube. All brushing is performed below the surface of the solution to prevent aerosolization.

2. Following washing with neutral PH detergent rinse for at least 1 minute with cold tap water, then rinsed with “Critical Water” (AAMI TIR34) an additional 30 seconds. After rinsing the Modified Jones Tube they should be thoroughly dried with compressed air and then packaged in material appropriate to the method of heat sterilization.

3. Do not use abrasive instruments or compounds on the surface of the tube. Do not use forceps (locking or otherwise)

**Use caution when cleaning or reprocessing. The Jones Tube is made from glass, and if broken can produce a cut.**

**B) Reprocessing**

Jones Tubes can be reprocessed repeatedly provided the following considerations are followed:

1. Please follow cleaning instructions when reprocessing.
2. Jones tubes that are repeatedly sterilized and handled many times should be visually inspected and replaced if the tube shows signs of scratches, cracks, chips, or discoloration.
3. Gunther Weiss Scientific does not recommend reprocessing of a tube that had been placed during surgery, these tubes should be discarded and replaced.

**C) Steam Sterilization of Pyrex® Jones Tubes, all types:**

<table>
<thead>
<tr>
<th>Autoclave Type</th>
<th>Temperature</th>
<th>Time at Temperature</th>
<th>Dry Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam Pre-Vacuum</td>
<td>132°C (270°F)</td>
<td>4.0 Minutes</td>
<td>20 Minutes</td>
</tr>
<tr>
<td>Steam Gravity</td>
<td>132°C (270°F)</td>
<td>15.0 Minutes</td>
<td>20 Minutes</td>
</tr>
</tbody>
</table>

1. Jones Gold Dilators (90000-0001, 90000-0002, 90000-0003) and Measure Scales (90000-0007) manufactured by Gunther Weiss Scientific Glassblowing Co., Inc. should be sterilized as described in table above.
2. The Jones Pyrex® tubes (all types) can be steam sterilized as described in (C) section 1, directly in the Gunther Weiss Scientific anodized aluminum sterilization tray (90000-0005).

**D) STERRAD, sterilization of Pyrex® Jones Tubes, all types** Manufactured by Gunther Weiss Scientific Glassblowing, the following instructions would apply:

1. ASP STERRAD 100NX, Standard cycle
2. ASP STERRAD NX, Standard cycle
Poly Tube (P/N 90000-0008)

Please consult your hospital for their approved method of Sterilizing Polyethylene Tubing. Here is some pertinent information.

A   Cleaning:

1. Jones Poly Tubes (90000-0008) manufactured by Gunther Weiss Scientific Glassblowing are made of Polyethylene and can be washed with neutral PH detergent, eg. Steris Prolystica 2X Concentrate Enzymatic Cleaner prepared to the manufacturer’s instructions. The Modified Jones Tube can be brushed with a soft nylon bristled brush (M-16)¹ or equivalent for at least one (1) minute per device while immersed in the proteolytic enzyme solution. A cannulated brush (45-905)² or equivalent is used to brush the lumen of the tube. All brushing is performed below the surface of the solution to prevent aerosolization.

2. Following washing with neutral PH detergent rinse for at least 1 minute with cold tap water, then rinsed with “Critical Water” (AAMI TIR34) an additional 30 seconds. After rinsing the Modified Jones Tube they should be thoroughly dried with compressed air and then packaged in material appropriate to the method of heat sterilization.

B   Sterilization Poly Tubes (P/N 90000-0008):

STERRAD Gas Plasma Systems the following instructions would apply:

1. ASP STERRAD NX, Standard Cycle
2. ASP STERRAD 100NX Standard cycle

¹All Types: Jones Pyrex® tubes (all types) include all Gunther Weiss Scientific part numbers beginning with the five number prefix’s of:

10000-XXXX, 10010-XXXX, 10100-XXXX, 10110-XXXX, 11000-XXXX, 11010-XXXX, 11100-XXXX, 11110-XXXX, 20000-XXXX, 20010-XXXX, 20100-XXXX, 20110-XXXX, 21000-XXXX, 21010-XXXX, 21100-XXXX, 21110-XXXX, 50000-XXXX, 50100-XXXX, 51000-XXXX, 51100-XXXX, 60000-XXXX, 80011-XXXX, 81011-XXXX, 81111-XXXX.