Disposal Procedures for Used or Expired Glutaraldehyde or ortho-Phthalaldehyde (OPA)

1. **Add Glute-Out neutralizer, as per instructions on the bottle, to the GUS cylinder, tray or other container.** *Glute-Out is a glyicine-based powder neutralizer that deactivates glutaraldehyde and OPA.*
   - Check expiration date of Glute-Out. Don’t use if expired.
   - The amount of Glute-Out used depends on the quantity of OPA or glutaraldehyde to be disposed:

<table>
<thead>
<tr>
<th>Approximate quantity of OPA or glutaraldehyde to drain dispose</th>
<th>Quantity of Glute Out needed to neutralize (NG-1GAL or NG-5GAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Quart</td>
<td>Use 1/2 ounce (1/4 bottle of NG-1GAL)</td>
</tr>
<tr>
<td>1 Gallon</td>
<td>Use 2 ounces (1 bottle of NG-1GAL)</td>
</tr>
<tr>
<td>5 Gallons</td>
<td>Use 10 ounces (1 bottle of NG-5GAL)</td>
</tr>
<tr>
<td>7.5 Gallons</td>
<td>Use 15 ounces (1-1/2 bottles of NG-5GAL)</td>
</tr>
</tbody>
</table>

2. **OPA:** Wait 15 minutes for neutralization to occur, the color will change from yellow orange to green brown.

   **Glutaraldehyde:** Wait 5 minutes for neutralization to occur, the color will change from yellow orange to red orange.

3. **Run cold water** during and after disposal down the drain.
4. **Wash cylinder, tray or other container** with detergent and water. Then, **rinse with sterile water** and **dry** with absorbent sterile towel before refilling.

Glute-Out Reorder Information:

Glute-Out is available through Lawson:
- Large bottle, NG-5GAL (Lawson #41898)
- Small bottle, NG-1GAL (Lawson #41859)
- Spill kit (Lawson #41899)

Manufacturer:
Civco Medical Solutions, 800-445-6741
www.civco.com

revised 6/2018