

## 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 glycine-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:

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

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](http://www.civco.com)