



The logo for Greenwald, consisting of the word 'GREENWALD' in white capital letters on a green, slightly curved rectangular background.

## CLEANING AND STERILIZING INSTRUCTIONS

Greenwald Catalog Items:

U338 – Hodgson Sound  
U340 – McCrea Female Sound  
U343 – Van Buren Sound  
U344 – Walther Sound  
U403 – Stamey Needle, Female  
U404 – Stamey Needle, Male  
U410 – Whitver Meatus Clamp  
U412 – Hyams Meatus Clamp  
U413 – Zipser Meatus Clamp  
U419 – Otis Bougie a Boule  
U420 – Friedman-Otis Bougie a Boule  
U422 – Thackston Bougie a Boule  
U440M – Campbell Suprapubic Trocar and Cannula  
U501 – Urethral Suture Guide

1. Cleanse instrument in a suitable surgical cleanser using a soft cloth, or a cleaning brush with non-metallic bristles.
2. Rinse thoroughly.
3. Sterilize by steam autoclaving.

Note: After use, soak instrument in a suitable blood dissolving solution, then repeat steps above. Inspect instrument thoroughly for visible soil and repeat steps above, as needed.

- Instrument may also be soaked in sterilizing solution as an alternative to steam autoclaving.
- Rinse thoroughly in sterile water after soaking.

**Caution:** Federal (U.S.A.) Law restricts this device to sale/use by or on the order of a physician.

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**Greenwald Surgical Company, Inc. (A Division of Grace Manufacturing, Inc.)**

Manufacturers of Urological and Electrosurgical Instruments and Accessories

614 SR 247 • Russellville, Arkansas 72802 • (479) 968-5455

Toll Free: 1-866-968-6665



**RECOMMENDED STERILIZATION PARAMETERS for  
Gravity-Displacement Steam Sterilization in a Health Care Facility**

Unless otherwise stated, our products are **not sterile** and must be thoroughly cleaned and sterilized prior to each use.

Do not exceed a temperature of 138°C (280°F).

<b>Parameters for Gravity-Displacement Steam Sterilization Cycles</b>			
<b>Item</b>	<b>Exposure time at 121°C (250°F)</b>	<b>Exposure time at 132°C (270°F)</b>	<b>Drying Time</b>
<b>Wrapped Instruments</b>	<b>30 minutes</b>	<b>15 minutes</b>	<b>15 to 30 minutes</b>
<b>Unwrapped nonporous items</b>	-	<b>3 minutes</b>	<b>0 to 1 minute</b>
<b>Unwrapped nonporous items in mixed load</b>	-	<b>10 minutes</b>	<b>0 to 1 minute</b>

It is important that the longest drying cycle possible is employed to prevent build up of moisture inside the instrument. If the cycle of your autoclave allows a 30 minute drying time, we recommend using it.

Always make sure the product is in good condition and perfect working order before reusing it.

Sterilization equipment manufacturer’s recommendations must be followed. Health care facility protocol should be adhered to.

**Since Greenwald Surgical Co., Inc. (a division of Grace Manufacturing, Inc.) is not familiar with individual hospital procedures, cleaning methods, bio-burden levels, and other conditions, Grace Manufacturing, Inc. assumes no responsibility for sterilization of product even if the general above guidelines are followed.**

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**RECOMMENDED STERILIZATION PARAMETERS for  
Dynamic Air Removal (Prevacuum) Steam Sterilization in a Health Care Facility**

Unless otherwise stated, our products are **not sterile** and must be thoroughly cleaned and sterilized prior to each use.

Do not exceed a temperature of 138°C (280°F).

<b>Parameters for Dynamic Air Removal Steam Sterilization Cycles</b>			
<b>Item</b>	<b>Exposure time at 132°C (270°F)</b>	<b>Exposure time at 135°C (275°F)</b>	<b>Drying Time</b>
<b>Wrapped Instruments</b>	<b>4 minutes</b>	<b>-</b>	<b>20 to 30 minutes</b>
<b>Unwrapped nonporous items</b>	<b>3 minutes</b>	<b>3 minutes</b>	<b>N/A</b>
<b>Unwrapped nonporous items in mixed load</b>	<b>4 minutes</b>	<b>3 minutes</b>	<b>N/A</b>

It is important that the longest drying cycle possible is employed to prevent build up of moisture inside the instrument. If the cycle of your autoclave allows a 30-minute drying time, we recommend using it.

Always make sure the product is in good condition and perfect working order before reusing it.

Sterilization equipment manufacturer’s recommendations must be followed. Health care facility protocol should be adhered to.

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**RECOMMENDED STERILIZATION PARAMETERS for  
Liquid Chemical Steam Sterilization in a Health Care Facility**

Unless otherwise stated, our products are **not sterile** and must be thoroughly cleaned and sterilized prior to each use.

Do not exceed a temperature of 138°C (280°F).

Parameters for Liquid Chemical Sterilization Cycles			
Formulation	Exposure time at 20°C (68°F)	Exposure time at 25°C (77°F)	Exposure time at 50°C to 55.5°C (122°F to 132°F)
2% to 3.5% glutaraldehyde	-	10 hours	-
7.5% hydrogen peroxide	6 hours	-	-
0.2% peracetic acid	-	-	12 minutes
It cannot be assumed that all 2% to 3.5% glutaraldehyde formulations are sterilants. The efficacy of glutaraldehyde sterilants depends on the active ingredients, the inactive ingredients, and the pH. Check the product label to confirm the parameters.			

Always make sure the product is completely dry before reusing it.

Always make sure the product is in good condition and perfect working order before reusing it.

Liquid chemical sterilization manufacturer’s recommendations must be followed. Health care facility protocol should be adhered to.

**Since Greenwald Surgical Co., Inc. (a division of Grace Manufacturing, Inc.) is not familiar with individual hospital procedures, cleaning methods, bio-burden levels, and other conditions, Grace Manufacturing, Inc. assumes no responsibility for sterilization of product even if the general above guidelines are followed.**

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