

# CLEANING AND STERILIZATION PROTOCOL

## Gridlock Plating System



### CLEANING

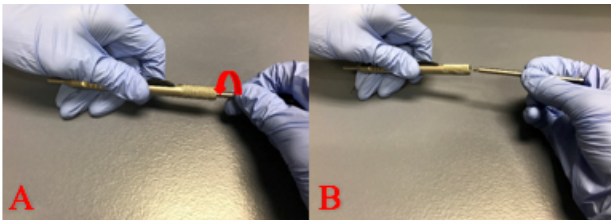
Non-sterile products must be carefully cleaned prior to sterilization. Trained personnel must perform cleaning and mechanical inspection prior to sterilization. Compliance is required with the equipment manufacturer's user instructions (manual and/or machine cleaning, ultrasound treatment, etc.) and recommendations for chemical detergents.

Trilliant Surgical recommends the following cleaning and sterilization instructions.

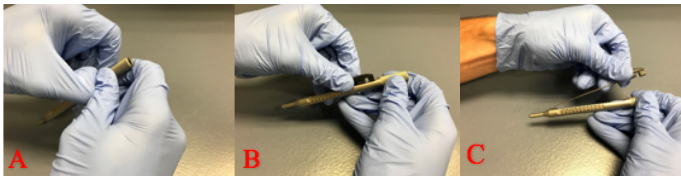
#### System Instrumentation Disassembly Instructions:

The provided Depth Gauge (310-00-010) should be properly disassembled prior to cleaning. The following instructions demonstrate how to properly disassemble the provided Depth Gauge prior to cleaning:

1. While holding the depth gauge, unthread the back slide from the main body in a counter-clockwise motion (A) and remove completely (B).



2. While holding the depth gauge (A), remove the thumb slide (black piece) from the depth gauge by pulling the slide up from the slot (B, C). DO NOT REMOVE THE ATTACHED WIRE.



3. Proceed to provided cleaning instructions.

#### Recommended Automatic Cleaning Instructions:

1. Rinse with tap water to remove gross soil
2. Inject water (60mL) into cannulation to remove gross soil
3. Prepare enzymatic detergent (Enzol®) at manufacturer recommendation (1oz/gal) using lukewarm tap water and fully immerse parts
4. Use a soft bristled brush (Spectrum M16 or equivalent) and appropriately sized lumen brush to brush all surfaces
5. Use syringe to inject detergent (60mL) into cannulation
6. Allow articles to dwell in detergent bath for 1 minute
7. Remove parts from bath and rinse using reverse osmosis/deionized (RO/DI) water
8. Fill syringe with RO/DI water (60mL) and flush part cannulation, where applicable
9. Transfer parts into automated washer (STERIS® Reliance Genfore) for processing using the following parameters:

Phase	Recirculation Time	Temperature	Detergent Type and Concentration
Pre-wash 1	02:00	Cold tap water	N/A
Enzyme Wash	02:00	Hot tap water	Enzol® 1 oz/gal
Wash 1	02:00	65.5°C	Prolystica® 2X Neutral 1/8 oz/gal
Rinse 1	01:00	Hot tap water	N/A
Drying	15:00	90°C	N/A

10. Visibly inspect for remaining soil on part

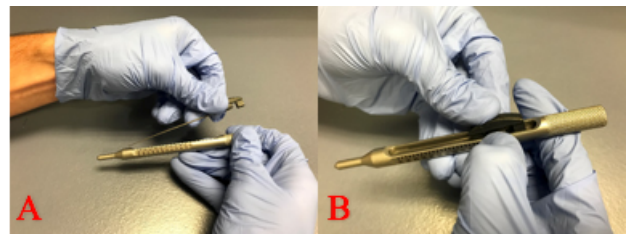
#### Recommended Manual Cleaning Instructions:

1. Rinse with tap water to remove gross soil
2. Inject water (60mL) into cannulation to remove gross soil
3. Prepare enzymatic detergent (Enzol®) at manufacturer recommendation (1oz/gal) using lukewarm tap water and fully immerse parts
4. Use a soft bristled brush (Spectrum M16 or equivalent) and appropriately sized lumen brush to brush all surfaces
5. Use syringe to inject detergent (60mL) into cannulation
6. Allow articles to dwell in detergent bath for 1 minute
7. Remove parts from bath and rinse using reverse osmosis/deionized (RO/DI) water
8. Fill syringe with RO/DI water (60mL) and flush part cannulation, where applicable
9. Allow parts to air dry. A clean lint-free cloth may be used to aid in drying
10. Visibly inspect for remaining soil on part

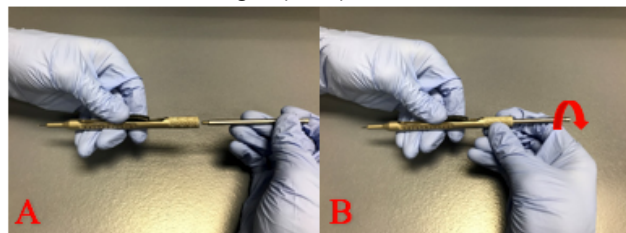
#### System Instrumentation Assembly Instructions:

Following proper cleaning, reassemble the provided Depth Gauge in the following manner prior to sterilization:

1. While holding the depth gauge insert the wire through the slot into the smaller diameter cannulation (A). Insert the thumb slide (black piece) into the depth gauge slot by squeezing the underside tabs and pressing firmly on the thumb slide until it "snaps" into place (B).



2. Thread the back slide into the depth gauge in a clockwise motion until hand tight (A, B).



3. Proceed to provided sterilization instructions.

## NON-STERILE PRODUCT STERILIZATION

Trilliant Surgical Implant Systems can be packaged non-sterile and therefore must be sterilized prior to surgical use. Use of the sterilizer shall comply with the manufacturer's user instructions. The user facility must clean and disinfect instruments prior to sterilization per standard hospital procedures. Non-sterile devices are sterilizable by steam sterilization (autoclaving). The following parameters should be followed:

<b>Sterilization Method</b>	Pre-Vacuum Steam	Gravity Steam
<b>Condition</b>	Wrapped*	Wrapped*
<b>Temperature</b>	270°F (132°C)	270°F (132°C)
<b>Time</b>	4 minutes	15 minutes
<b>Recommended Dry Time</b>	60 minutes**	60 minutes**

\*The system shall be packaged for sterilization by double wrapping in standard central supply wrap (i.e. Bio-Shield® Sterilization Wrap).

\*\*Trilliant Surgical has validated the recommended sterilization cycle and dry time for trays. The dry time varies due to load configuration, wrapping method, and material.

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