

## Manual Cleaning Protocol

This protocol has been developed based upon the Australia and New Zealand standards AS/NZS 4187; Cleaning, disinfecting and sterilising reusable medical and surgical instruments and equipment, in healthcare facilities.

It is used in the BJUI (British Journal of Urology International) published study: A randomised single-blind comparison of the effectiveness of the high-level disinfectants Tristel Fusion (chlorine dioxide) and Cidex OPA (ortho-phthaldehyde) for use with flexible cystoscopes.

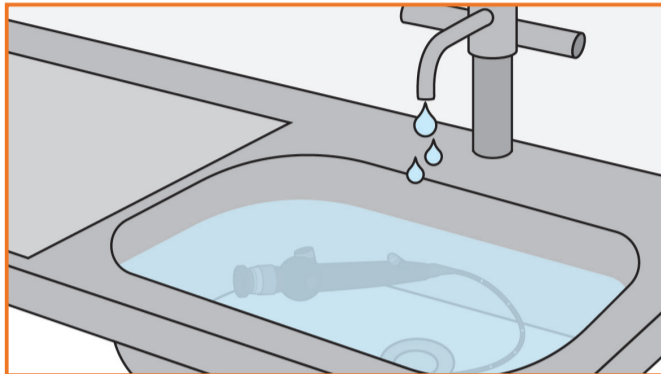
The following manual cleaning protocol should be completed for channelled scopes prior to processing in Stella. Refer to the instrument manufacturers cleaning instructions.

### Equipment required for the manual cleaning process:

- Channel brush set (including lumen brush and small exterior brush)
- Tristel Clean for Stella
- Duo Wipes
- Luer lock syringe
- Clock to time the cleaning process

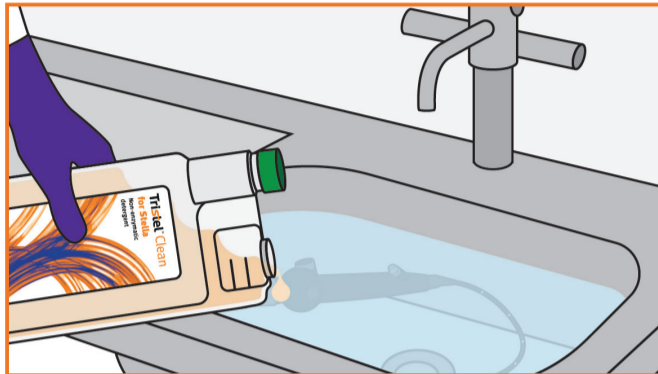
### Process

It is recommended that leak testing occurs prior to each scope reprocessing cycle. Refer to scope manufacturer for details.



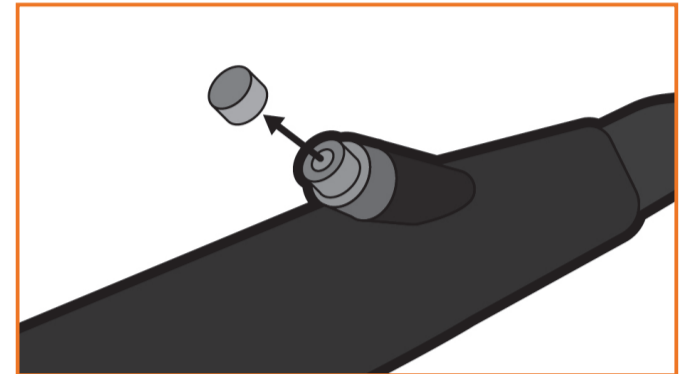
#### Step 1

Place the scope in the sink. Fill the sink with units of 5L of cold tap water until the scope is completely covered.



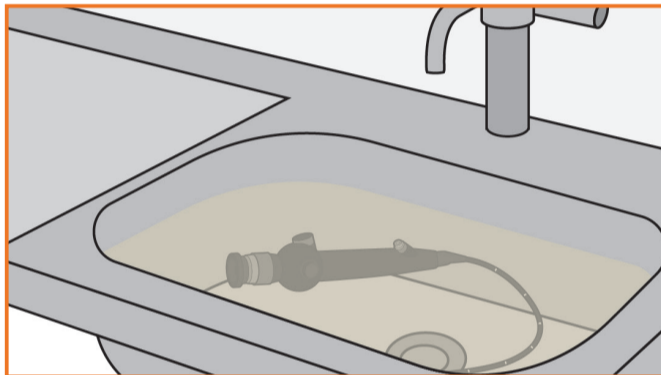
#### Step 2

25ml of Tristel Clean for Stella concentrate must be added for each 5L of water added in the sink. Example: if you have filled the sink with 2 x 5L, then you must add 2 x 25ml Tristel Clean for Stella.



#### Step 3

All scope removable parts must be disconnected and cleaned individually.



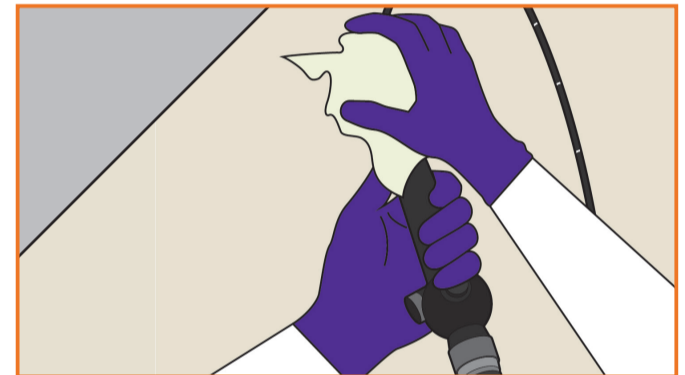
#### Step 4

Immerse the scope and attachments in the cleaning solution to ensure contact time during the cleaning process. Thoroughly brush and flush the channel with the Tristel Clean for Stella, following the instructions below.



#### Step 5

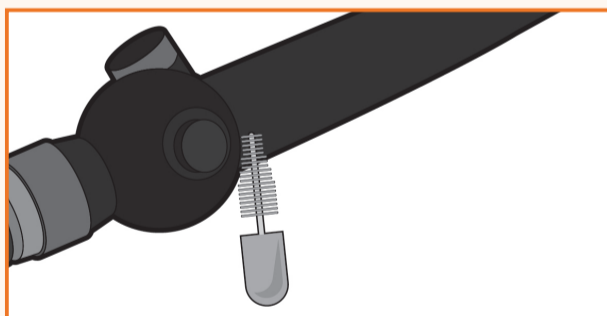
Ensure a five-minute contact time.



#### Step 6

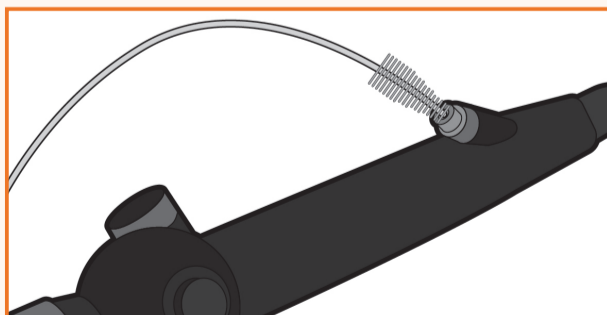
Wipe down the scope and accessories with Duo Wipes whilst keeping the scope immersed in Tristel Clean for Stella solution.

### Brushing



#### Step 1

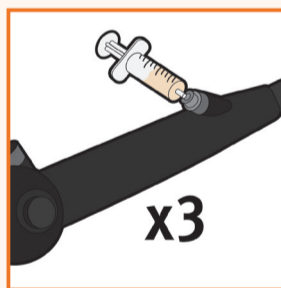
Use the small brush to brush the scope's external levers and crevices as well as accessories.



#### Step 2

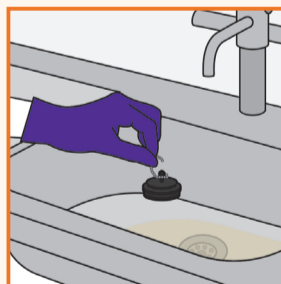
Using a clean lumen brush for each scope, clean the working channels including suction / air and water channels. The brush should be passed through the working channel port, and fed through until it exits the distal tip of the scope. Repeat this procedure three times or until visible debris has been removed.

### Flushing



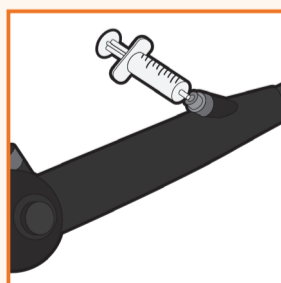
#### Step 1

Draw up a luer lock syringe with 20 ml of Tristel Clean solution. Connect the syringe to the lumen port on the scope and flush. Repeat this flush process three times.



#### Step 2

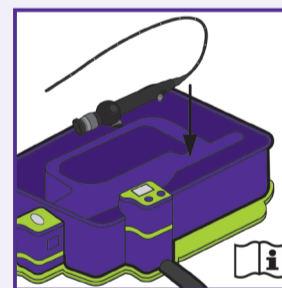
Drain the cleaning solutions.



#### Step 3

Draw up a luer lock syringe with air. Connect the syringe to the scope lumen and purge residual cleaning solution.

### Stella Processing



#### Step 1

Place the scope in the Stella Base and follow the instructions on the Stella wall chart.



#### Step 2

The Stella with Pulse System high-level disinfection cycle takes five minutes.