



# Recommended Procedure for Sampling Lumened Instruments with Flush Ports

An arthroscopic inflow/outflow cannula is highlighted for purposes of illustration. This procedure can be adapted to any lumened instrument that has a flush port.

## Recommended Test Points for Neogen® Clean-Trace® ATP Monitoring System for Surgical Instruments



### Test Point: Instrument Surface

Neogen® Clean-Trace® ATP  
Surface Test UXC



### Test Point: Lumen

Neogen® Clean-Trace® ATP  
Water Test H2O

## Materials Required

### Testing supplies:

- Surgical instrument that has been manually cleaned
- Clean, lint free towel
- Clean-Trace ATP Surface Test UXC
- Clean-Trace Luminometer
- Personal Protective Equipment (PPE): clean gloves, gown and goggles or face shield

### Additionally, for lumened instruments:

- Clean-Trace ATP Water Test H2O
- Clean-Trace ATP Water Test Accessory Kit WTK
- Sterile sample collection container:
  - 50 mL conical tubes
  - e.g. urine specimen container
- Sample collection container holder (available from Neogen)
- 60 cc syringe: sterile, disposable
- Sterile water, at least 80 mL, in a container large enough to accommodate a 60 cc syringe

\* It is the responsibility of each health care facility to develop and implement policies and procedures that support its unique needs and comply with all applicable laws, rules, regulations, standards and industry recommended practices.

Neogen is providing this sampling guide as a resource. You are responsible for determining whether the recommendations contained herein are appropriate for your setting and whether they will enable you to comply with any governmental or facility requirements, and your facility's policies and protocols.

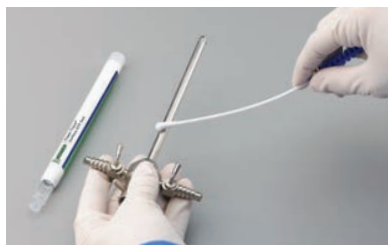


Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

### Sample Exterior Surface

1. Using one Clean-Trace ATP Surface Test UXC, swab the entire surface of the manually cleaned surgical instrument (Figure 1).
2. Activate the test by returning it to the plastic sleeve and pushing down firmly on the blue cap until fully depressed. Grip the top of the test and shake rapidly side-to-side for at least five seconds.
3. To measure the ATP level, open the sample chamber on the Clean-Trace Luminometer, insert the test and then close the cap. Follow the screen prompts to take a measurement. Always refer to the instructions for use for proper use of the Clean-Trace ATP Surface Test UXC and Clean-Trace Luminometer.
4. For verification after an automated washer-disinfector, if the RLU value is below 150 or below the facility designated threshold, proceed to the next step. If the RLU value is above 150 or above the facility designated threshold, the endoscope should be re-cleaned and re-tested.

### Sample Instrument Lumen

Appropriate PPE should be worn while preparing and sampling the instrument.

#### Prepare Instrument for Lumen Sampling

Preparation of lumened instruments for sampling requires that a connector be attached to the flush port so that the syringe can be used to sample the lumen. Any ports or valves need to be plugged or closed to prevent leakage of the sample (Figure 2). Connectors and plugs are available from Neogen as the Clean-Trace ATP Water Test Accessory Kit WTK (Figure 3). The connectors and plugs are for single-use only. A green plug was used in Figure 2 so the placement of the plug could be seen more clearly. The plug in the WTK accessory kit is clear, not green.

**NOTE:** The silicone plugs in the Clean-Trace ATP Water Test Accessory Kit do not fit all instruments and may cause damage if used.

#### Sampling the Lumen

1. Fill a sterile 60 cc syringe with air.
2. Attach the syringe to the flush port on the instrument and push the air through the lumen. This process removes any cleaning agent remaining in the lumen (Figure 4).
3. Remove the syringe from the instrument and fill with 10 cc sterile water. Pull up an additional 30-40 cc of air into the syringe.
4. Attach the syringe to the flush port located on the instrument (Figure 4).
5. With the other end of the instrument lumen held inside a sterile collection container, push the water and air through the lumen, collecting the water sample in the container. The volume of air ensures that the entire water sample is collected (Figure 5).
6. If not testing the rinsate immediately, securely cap the sample collection container to maintain sample integrity. When you are ready to measure the ATP level, open the sample collection container.

**Sampling the Lumen (continued)**

7. Remove the Clean-Trace ATP Water Test H<sub>2</sub>O from the plastic sleeve and slowly immerse in the water sample, just up to the collar.
8. Slowly remove the test and activate by returning it to the plastic sleeve and pushing down firmly on the red cap until fully depressed. Grip the top of the test and shake rapidly side to side for at least five seconds.
9. To measure the ATP level, open the sample chamber on the Clean-Trace Luminometer, insert the test then close the cap. Follow the screen prompts to take a measurement. Always refer to the instructions for use for proper use of the Clean-Trace ATP Water Test H<sub>2</sub>O and Clean-Trace Luminometer.
10. For verification after an automated washer-disinfector, if the RLU value is below 150 or below the facility designated threshold, proceed to the next step. If the RLU value is above 151 or above the facility designated threshold, the endoscope should be re-cleaned and re-tested.

**NOTE:** Clean-Trace ATP Water Tests must be read in the Luminometer immediately after collection.

