

**OLIVE VIEW-UCLA MEDICAL CENTER  
DEPARTMENT OF PATHOLOGY  
POLICY & PROCEDURE**

**NUMBER: 11872  
VERSION: 1**

**SUBJECT/TITLE: SS 009 - ARTISAN LININSTRUMENT MAINTENANCE**

**POLICY:** Maintenance procedures on The Artisan Link Special Staining System will be conducted on a scheduled basis.

**PURPOSE:** To ensure the instrument is operating in optimal condition.

**DEPARTMENTS:** **PATHOLOGY & LABORATORY SERVICES**

**DEFINITIONS:**

<b>PROCEDURE:</b>	<b>EQUIPMENT/REAGENTS:</b>	
	Artisan Special Staining System	Waste Fluid Containers
	Cleaning Reagent Cartridges	Bulk Fluid Containers
	95% Alcohol	Blank Slide and Slide Clip

**PROCEDURE:**

**I. Cleaning the Slide Platforms**

After each staining run, wipe each slide platform (that was utilized for staining) with a gauze dampened in 1X Wash Solution.

**II. Cleaning the Reagent Drip Ring**

After each staining run, wipe the drip ring with a gauze dampened with 1X Wash Solution.

**III. Inspect and Clean the Spill Tray – After each staining run**

- A. Inspect the spill tray.
- B. If any liquid is present, use a dry gauze to absorb the liquid
- C. Wipe the tray with a gauze dampened with DI water or 1X Wash Solution

**IV. Clean the Bulk Fluid Containers (Located on top of the staining instrument.)**

- A. Rinse out the containers each time the reagents are changed. Refer to SS 007.

**V. Flushing the Bulk Fluid Lines (Tubes)**

- A. Remove all the Wash Buffer containers from their designated areas.
- B. Place the 95% Alcohol container in the first wash buffer station (3).
- C. Click in the **Instruments Tap**
- D. Click in the Fluids area

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- E. In the Fluids area, click **Replace** on the first Wash Buffer Icon.
- F. The **Artisan Link Bulk Fluids** window will appear.
- G. Click on **Change**
- H. In the **Fluid Type** box select **Ethanol 95** via the drop box.
- I. Click in the 95% Alcohol container into the instrument via the tubing attachments.
- J. Click on **Prime**, the instrument will conduct the priming/flushing cycle. (Perform this task twice for each bulk fluid station.)
- K. Upon completion of the priming/flushing cycle, change the fluid type back to **Wash Buffer**. (Steps V. - E thru H, select **Wash Buffer**)
- L. Remove the 95 % alcohol container and place it in the next wash buffer station.
- M. Continue with steps V. - E thru K until all wash buffer lines/stations have been flushed/primed.
- N. Replace all wash buffer containers into their appropriate stations. (3-6). Perform the Priming procedure five (5) times to ensure 95% alcohol has been flushed out of the fluid lines.
- O. Place the 95 % Alcohol container into back station 2.

**VI. Cleaning the Instrument**

- A. Upon the completion of 300 slides the instrument will automatically issue a prompt indicating that a cleaning cycle will need to be performed, press **OK**.
- B. A dialog box appears with directions for the cleaning process.
  - Place and clip a blank slide in the slide position one (1) as shown.
  - Place the reagent cleaning cartridge in to reagent carousel position 1 as shown.
  - Close the Artisan door and press **Start** to begin the cleaning process.
- C. Performing the Cleaning Cycle without the automatic prompt.
  - Move the mouse to the bottom on the screen. A tool bar will appear, click on the Dako icon.
  - The ArtiCS (Artisan Control Software) dialog window will appear
  - Click on **Clean**, proceed with the steps listed in part VI. section B.
  - When exiting the ArtiCS (Artisan Control Software) always **minimize, do not log out**.

**VII. Documentation of Maintenance Procedures**

Document the completion of the maintenance procedures on SS 6D Form 1. Refer to attachments.

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**VIII. Preventive Maintenance**

Preventive maintenance procedures shall be performed by a technical representative from Dako on an annual basis.

References: Artisan Link Basic User Guide, Dako (An Agilent Technologies Company), 6392 Via Real, Carpinteria, Ca. 93013	
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