[](http://depts.washington.edu/labweb/index.htm)

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| **University of Washington,**  **Harborview Medical Center**  **325 9th Ave. Seattle, WA, 98104**  **Transfusion Services Laboratory**  **Policies and Procedures Manual** | **Original Effective Date:**  **October 13, 2011** | **Number:**  **5538-2** |
| **Revision Effective Date:**  February 14, 2014 | **Pages: 2** |
| **TITLE: TANGO: Liquid Container Management** | | |

**PURPOSE:**

To assure that the containers (tanks) for the liquid used or generated by the TANGO are appropriately filled and emptied. To describe the preparation of Daily System Clean Solution.

**PROCEDURE:**

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| **Step** | **Action** | **Related Documents** |
| 1. | Visually determine the volume in the liquid containers.   * Icons at the bottom right of the computer monitor will flash red if one of the tanks is approaching the lower limit (2L) or if the waste tank is full. * TANGO PC screen will display a “red hand” and a message describing the detected low volume. |  |
| 2. | Fill the containers as necessary.   * System Liquid Container:   + Use deionized (DI) water.   + Tubing, wires and cap for the System Liquid container are white. * Wash Buffer Container   + Use Phosphate Buffered Saline (PBS pH 7.3 +/- 0.2).   + Wires and cap for the Wash Buffer container are blue. * Cleaning Solution   + See Section B to prepare cleaning solution.   + Sensor wires and cap for the cleaning solution container are black.   + Tubing for the cleaning solution container is clear with a black sheath on the terminal end. |  |
| 3. | Check the cap, sensor wire and tubing are   * Securely connected * No signs of sensor wire fraying or tubing leakage |  |
| 4. | After filling or replacing a container, use the ‘Rinsing’ function under ‘Maintenance’ to fill the tubing and remove air bubbles from the lines.   * Touch the ‘Maintenance’ button in the ‘Main Menu’. * Touch the ‘Rinsing’ button to open the ‘Rinsing’ menu. * Enter the following parameters: * Pipettor Cycles: 3 * Washer Cycles: 6 * Suspension Cycles: 3 * Touch OK to start the rinsing process. |  |

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| **Step** | **Action** | **Related Documents** |
| 5. | Empty Waste Container   * Disconnect sensor cable * Unscrew nozzle from the container and place into the biohazard waste bin next to the waste container or on absorbent paper to collect the fluid from the waste line. * Unscrew cap and empty the container according to Liquid Waste Disposal SOP. * Check the cap, sensor wire and tubing are securely connected. | Liquid Waste Disposal |
| 6. | When the TANGO is ready for operation, ‘Ready’ will appear in the analyzer status field. |  |

**Section B: Daily System Clean Solution**

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| **Step** | **Action** | **Related Documents** |
| **General Statements:** | | |
|  | Required Materials are:   * Daily System Clean Concentrate * DI Water * Daily System Clean Container |  |
|  | Precautions:   * The Daily System Clean comes as a red colored weak acidic concentrate. The working solution is approximately pH 3. Avoid contact with skin and eyes. * Wear appropriate personal protective equipment such as lab coat, gloves, and safety glasses. * Remove contaminated soaked clothing immediately and dispose of safely. * In case of eye or skin contact, rinse thoroughly with copious amounts of water, seek medical attention if necessary |  |
| **Preparation of Daily Cleaning Solution** | | |
| 1 | To prepare the working solution, dilute the Daily System Clean concentrate with DI Water to a 1/20 solution. |  |
| 2 | Add the 250 mL of Daily System Clean concentrate to 4750 mL of DI Water slowly to avoid foam in the Daily System Clean Container. |  |
| 3 | Close the container with lid and mix contents by swinging the container. |  |
| 4 | Label container with:   * + Lot number   + Creation date   + Expiration: 6 months after creation date |  |

**REFERENCES:**

TANGO User Guide, Version 3.3

Biotest Daily System Clean Product Information Sheet