**Purpose:**

This procedure describes the daily maintenance to be performed on the TANGO instrument to assure that it is maintained properly according to the manufacturer’s recommendations.

**Required Materials:**

* Tango Maintenance Form
* Additional TANGO Reagent Form
* Lint free wipes
* DI water
* Disinfectant

**Procedure:**

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| **Step** | **Action** | **Related Documents** |
| **General Statements:** | | |
| 1 | Use only the Daily Maintenance section of the Tango Maintenance Form and complete the Additional Tango Reagent Form in its entirety | Tango Maintenance Form  Additional TANGO Reagent Form |
| 2 | Record a check mark as each task is completed and enter tech initials in the last box. |  |
| **Checking the Suspension Cup** | | |
| 3 | If the instrument is turned off, lift the front cover. If the instrument is in ‘Ready’ status, follow the opening cover SOP to lift the cover. | TANGO Infinity: Opening and Closing the Instrument Cover |
| 4 | Remove the gray plastic cover. |  |
| 5 | Without removing the cup, verify it is empty and inspect for cracks, liquid or residue. |  |
| 6 | If the cup is dirty or cracked, it needs to be replaced. Follow Monthly Maintenance SOP. | TANGO Infinity: Monthly Maintenance |
| 7 | Replace gray plastic cover. |  |
| **Step** | **Action** | **Related Documents** |
| **Clean, check, and adjust the SPOLV Pipettor** | | |
| 8 | Gently clean the exterior of the SPOLV Pipettor needle with a lint-free cloth moistened with DI water  Note: DO NOT use alcohol for cleaning the pipettor needle |  |
| 9 | Check the needle is straight |  |
| **Cleaning the TANGO surfaces** | | |
| 10 | Clean up any splatters/spills immediately. |  |
| 11 | The surface of the TANGO can be disinfected with a suitable disinfectant. |  |
| 12 | After disinfection, the surfaces should be wiped again with DI water to remove any residual disinfecting solution. |  |
| 13 | Close the front cover | TANGO Infinity: Opening and Closing the Instrument Cover |
| **Perform automatic checking and adjusting of the SPOLV Pipettor Needle** | | |
| 14 | Touch the ‘Maintenance’ button |  |
| 15 | Touch the ‘Teach Coordinates’ button   * The ‘Machine is busy’ dialog is displayed * The SPOLV Pipettor moves to the initialization position at the right front corner of the instrument and to the adjustment start position * The ‘Tango Infinity Teacher’ dialog shows a schematic representation of all the “teaching positions” for the SPOLV Pipettor Needle |  |
| 16 | Touch the ‘Reference’ button to start the automatic adjusting of the SPOLV Pipettor Needle position |  |
| 17 | After approximately 30 seconds the automatic adjusting of positions is completed and the ‘Machine is Busy’ dialog is closed   * Touch the ‘Quit’ button * Initialization should begin automatically and last ~20 seconds * Liquid reagents will need reloading due to initialization. | Tango Infinity Liquid Reagents |
| **Rinse the SPOLV Needle** | | |
| 18 | Touch the ‘Maintenance’ button |  |
| 19 | Touch the ‘Rinsing’ button and enter the following parameters:   * Pipettor cycles: 1 * Washer cycles: 2 * Suspension cycles: 1   Touch ‘ok’ |  |
| 20 | Check there is no drop at the SPOLV Pipettor Needle tip after rinsing is complete. Remove any drop using a lint free cloth after following the open front cover SOP | TANGO Infinity: Opening and Closing the Instrument Cover |

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| **Step** | **Action** | **Related Documents** |
| **Run QC and Document Reagent Lot Numbers in Use** | | |
| 21 | Perform ABO/Rh and antibody screen QC after completion of daily maintenance | TANGO Infinity: ABO/Rh antibody screen QC |
| 22 | The on-board reagents can be printed by selecting a CID of a specimen with current date.   * + In main menu touch ‘Samples and Controls’ button   + Select the ‘Lab Journal’ button to open the ‘Lab Journal’ dialog   + Touch ‘Export’ button to open the ‘Export’ dialog.   + Select the report for ‘Lot Information by Date’. From date should be previous day’s date.   + Touch ‘Export’ to get printout. |  |
| 23 | Other lot numbers in use will need to be filled out on the Daily Reagents In Use Form | TANGO Infinity: Daily Reagents In Use Form |
| 24 | Perform Reagent Dating Verification, in the appropriate column:   * Record open/draw date and expiration date/time from the reagent bottle or sample label. * Mark YES or NO for acceptability |  |
| 25 | Add to the form throughout the day as lot numbers are opened or patient samples are selected as controls. |  |
| 26 | Review Reagents for Acceptability and Performance.   * Document with Two Tech ID sign-off and Date. * File in Tango Daily QC binder. * Tango user on every shift will perform a daily review * TS Lead or designee will perform a daily review. * TS Manager performs a monthly review. |  |

**References:**

TANGO Infinity User Manual, Version 1.2.1