**Purpose:**

This process describes the schedule for the calibration, cleaning, and maintenance of the Helmer Ultra CW cell washer.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TASK** | **DAILY** | **WEEKLY** | **MONTHLY** | **ANNUALLY** |
| Inspect the tubing and drain and clear obstructions if necessary. | 🗸 |  |  |  |
| Inspect the tubing connections and secure them if necessary. | 🗸 |  |  |  |
| Clean and dry the interior after normal usage to  prevent corrosion and contamination.  ► For more information and instructions, see  Section 6.2.2, “Cleaning the interior.” | 🗸 |  |  |  |
| Flush the system.  ► For more information and instructions, see  Section 6.2.3, “Flushing the system.” |  | 🗸 |  |  |
| Clean the fill ports on the rotor.  ► For more information and instructions, see  Section 6.2.4, “Cleaning the fill ports.” |  | 🗸 |  |  |
| Check the saline volume setting and calibrate it if  necessary. Frequency varies by length of service.  ► For more information and instructions, see  Section 5.2, “Calibrating the saline volume.” | 🗸 |  |  |  |
| Inspect the rotor for wear, corrosion, and damage.  Replace the rotor if these conditions exist, or after  the rotor has been in use for 5 years. |  |  | 🗸 |  |
| Inspect the tube holders for wear and damage. Replace tube holders if they are worn or damaged,  or after they have been in use for 2 years.  ► For more information and instructions, see Section 6.4, “Replacing tube holders.” |  |  | 🗸 |  |
| Clean the exterior.  ► For more information and instructions, see Section 6.2.1 “Cleaning the exterior.” |  |  | 🗸 |  |
| Replace the supply and drain tubing.  ► For more information and instructions, see  Section 3.7.1, “Installing and removing the  supply and drain tubing.” |  |  |  | 🗸 |
| **TASK** | **DAILY** | **WEEKLY** | **MONTHLY** | **ANNUALLY** |
| Replace the pump tubing.  ► For more information and instructions, see  Section 6.3, “Replacing the pump tubing.” |  |  |  | 🗸 |
| Replace the tube holder inserts for 10 mm x 75 mm if applicable. |  |  |  | 🗸 |
| Tachs and Times |  |  |  | Minimum of Semi-Annually |

**References**

Helmer Ultra CW Operator’s Manual

AABB Standards for Blood Banks and Transfusion Services, Current Edition.