

# KinExA 4000 Cleaning Guide

The following cleaning procedure is recommended monthly or as needed to control contamination. Be sure to clean the Buffer Bottle, Bead Bottles, and the Instrument to avoid re-contamination.

## KinExA 4000

- Whenever a new solution is introduced, a **Buffer Change** procedure should be performed to put an air bubble between the solutions. Introducing a bubble to the Buffer Line reduces mixing of the new solution with the old. Newer versions of the KinExA Pro Software have an automated tool that guides the user through the procedure.

- Click on the **Buffer Change** icon {  } and follow the directions provided.

- Bleach Solution\***: Open the **Fast Rinse** {  } screen and run [10] cycles.

## Wash Station

- First remove the plumbing connections then remove the Wash Station. Some Wash Stations on the KinExA 4000's have a screw at the bottom of the Wash Station which must be removed using a T10 driver before the Wash Station can slide out. Other Wash Stations are removed simply by turning it counter-clockwise (left). Be careful when removing the plumbing from the Wash Station as some liquid will run out.

- Rinse the Wash Station with the bleach solution by pouring the solution into the two reservoirs. Repeat this with DIH2O then KinExA Cleaning Solution<sup>®</sup> and a final DIH2O rinse.

- Re-attach the Wash Station and plumbing.

- Repeat the **Buffer Change** procedure to switch to KinExA Cleaning Solution<sup>®</sup>.

- KinExA<sup>®</sup> Cleaning Solution**: Open *File > New from Template > Cleaning > Standard Wash Template*. Add **45 mL** of cleaning solution to Standards Rack: Tube 1. Open the **Timing Setup** and adjust the soak time by changing the time for the buffer step following Standards Tube 1 to 1200 seconds. Change the number of cycles to [10] and press **Start**.

**Note: A full 250 mL bottle of cleaning solution is needed.**

- Repeat the **Buffer Change** procedure to switch to a buffer of choice.

- Buffer of choice**: Open up the **Fast Rinse** screen and run [10] cycles.

## Propellers and Bead Retriever

- Submerge the Propellers in the bleach solution using caution not to break or bend the Propellers. Rinse the Propellers with DIH2O and submerge in KinExA Cleaning Solution<sup>®</sup>. Rinse again with DIH2O and let the Propellers dry.

- Rinse the Bead Retriever with bleach solution by pouring the solution into the Bead Retriever. Repeat this with DIH2O, then KinExA Cleaning Solution<sup>®</sup> and a final DIH2O rinse.

**The KinExA 4000 may now be used.**

*\* It is important to keep the bleach solution below 0.5% NaOCl (sodium hypochlorite). If using household bleach, (5% NaOCl) a 10 fold dilution is adequate. If using concentrated sodium hypochlorite solution (10-15% NaOCl) a 20 to 30 fold dilution should be used.*