



TIPS ON THE CARE AND USE OF VP 475 GLASS SLIDE MICROARRAYER WASH AND BLOT STATION

Disinfecting:

The entire VP 475 Glass Slide Arrayer Wash and Blot Station can be disinfected by carefully wiping with 5% bleach, distilled water then isopropanol. Always remove any bleach residue from the unit after disinfecting (disinfecting is optional depending upon application).

Care:

After each day's use remove blotting paper from blotting station, carefully pour off the liquid in the reservoirs. Rinse the entire unit as described above with bleach, water and a final isopropanol rinse. Let reservoirs drain upside down until completely dry.

The guide pins on the wash and blot station should be treated with a light coating of silicone grease occasionally.

The Wash and Blot Station includes three parts:

1. The base unit, which includes the wash reservoirs.
2. A rubber gasket that sits in the tray of the base unit along side the wash reservoirs
3. The removable blotting station reservoirs.

Set Up:

1. Remove the blotting station reservoir from the base unit of the VP 475.
2. Place one sheet of VP 522A Lint-Free Blotting Paper on top of the rubber gasket in the blotting station.
3. Place the blotting station reservoir on top of the VP 522A, ensuring that the reservoir snaps into place in the base unit.
4. Fill the first reservoir with 26 ml. 5% bleach (optional).
5. Fill the second reservoir with 28 ml. dH₂O.
6. Fill the third reservoir with 30 ml. dH₂O.
7. Fill the fourth reservoir with 32 ml. isopropanol.

The volumes listed above are critical for preventing cross contamination of your source plates. Each subsequent wash will rinse more of the pin length than the previous wash, removing all residue from the source plate or previous wash.

Use:

1. Align the guide pin holes of the Replicator to the guide pins of the first reservoir.
2. Look at the guide holes on the bottom side of the Replicator. Hold the Replicator with the large guide hole on the left and the small guide hole on the right.
3. Lower the Replicator onto the guide pins until it is resting on the spring loaded stand-off pegs of the Replicator.
4. Press firmly down on the top of the Replicator with both hands. The guide pins on the wash and blot station just fit the guide hole on the right side of the Replicator. The guide hole on the left side will feel very loose; this is not critical. By focusing on aligning the guide hole on the right side with the guide pins, the Replicator will slide up and down on the guide pins freely.
5. Remove the Replicator from the first reservoir and place it on the guide pins of the first blot station.
6. Press firmly down on the top of the Replicator to blot the pins on the blotting paper.
7. Repeat wash and blot steps for each reservoir. After blotting the isopropanol on the blotting paper, allow pins to air dry or use a hot air dryer to dry pins completely before going into wells of the source plate.