

SMARTCLEAR II PRO

System Cleaning Protocol

To keep the system clear of debris, we recommend flushing the system approximately once a month, or for every 3 buffer changes. It is best to clean the system with the membranes installed. This prevents cross-contamination of the system whereby electrophoresis byproducts produced in Buffer B can enter the clearing chamber and Buffer A. Therefore, we recommend cleaning the system at the end of the buffer's lifecycle before installing new membranes and buffer.

- 1** Enter Expert Mode on the SmartBox.
- 2** Turn off Electrophoresis Power and both Pumps with the buttons in the lower right corner.
- 3** Locate the hoses at the bottom of the clearing module and drain both reservoirs.
- 4** Pour distilled water into each reservoir and let the water drain out to remove some bubbles.
- 5** Close the drain tubes, and pour 500 mL distilled water in each reservoir and turn on the pumps. Let the system run for a few minutes before turning the pumps off and draining the water again.
- 6** Repeat steps 4 and 5 until the bubbles are gone and the water runs clear in the electrophoresis chamber.
- 7** If you are now going to install new membranes, remove the membrane spacers from the clearing chamber and remove the old membranes. Pour some distilled water directly into the chamber and let it drain out into Reservoir A. Make sure to drain both reservoirs before installing new membranes and testing with water.