

Phosphate Buffered Solution (PBS) Solution Preparation for non-sterile 9L plastic container.

(This starts assuming the 9L container is empty.)

1. Rinse the 9L bottle with de-ionized water.
2. Add the following into the stock PBS bottle:
 - 3.48 g mono NaH_2PO_4
 - 9.2 g diBasic Na_2HPO_4
 - 76.5 g NaCl
3. Fill the bottle 1 inch below the top line with de-ionized water.
4. Place onto a magnetic stirring plate and put in a large magnetic stirrer.
5. Turn on the stirrer.
6. Turn on pH meter, check the calibration, and measure the pH of the PBS solution.
7. If pH is not 7.4 ± 0.1 , add 1M NaOH or 1M HCL to adjust.
8. When a pH of 7.40 is reached and stable, remove from the stirring plate and fill the rest of the way to the top line with de-ionized water.