

150 mM Sodium Phosphate Buffer pH 7.0

Follow the steps below:

- 1) In a 1L beaker with ~900mL MilliQ-H₂O:
- 2) Weigh and transfer into the beaker:
 - 8.751 ± 0.0005 g of NaH₂PO₄ (monobasic monohydrate)
 - 23.191 ± 0.0005 g of Na₂HPO₄ (dibasic heptahydrate)
- 3) Place a stir bar into the beaker and mix until the contents are dissolved.
- 4) Take the initial pH of the solution, adjust pH with 2M NaOH solution.
 - a) Make sure the final pH is no greater than 7.02 (if it is, restart from step 1)
 - b) Do not adjust the pH down.
- 5) Pour buffer into a clean graduated cylinder and top off to 1L with MilliQ-H₂O.
- 6) Filter the solution using a 0.22 μm filter.
- 7) Expiration date: 1 week.



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