

Sodium acetate (3 M, ph 5.2) recipe

The recipe below is used to prepare a 100 mL 3 M sodium acetate, ph 5.2 solution.

Reagent	Weight / Volume
Sodium acetate (anhydrous)	24.6 grams
Distilled water	Up to 100 mL

How to make a 100 mL 3 M sodium acetate, pH 5.2 solution

1. Weigh out 24.6 g of sodium acetate (anhydrous) and add to a 100 mL Duran bottle.
2. Measure out 70 mL of MilliQ water and add to the Duran bottle.
3. Dissolve the sodium acetate by adding a magnetic flea into the bottle and placing on a magnetic stirrer. It may take a few minutes to fully dissolve.
4. Adjust the pH to 5.2 by adding glacial acetic acid.
5. Top up the solution to 100 mL with MilliQ water.
6. Optional: Filter the solution using a 0.2 uM filter membrane.

Storage of 3 M sodium acetate, pH 5.2 solution

Store 3 M sodium acetate, pH 5.2 solution at room temperature (+15°C - +25°C).