

Sodium chloride (5 M) recipe

The recipe below is used to prepare a 100 mL 5 M sodium chloride solution.

Reagent	Weight / Volume
Sodium chloride	29.2 grams
Distilled water	Up to 100 mL

How to make a 100 mL 5 M sodium chloride solution

1. Weigh out 29.2 g of sodium chloride and add to a 100 mL Duran bottle.
2. Measure out 80 mL of MilliQ water and add to the Duran bottle.
3. Dissolve the sodium chloride by adding a magnetic flea into the bottle and placing on a magnetic stirrer. It may take a few minutes to fully dissolve.
4. Top up the solution to 100 mL with MilliQ water.
5. To sterilise, autoclave the solution on a liquid cycle (20 min at 15 psi).
6. Optional: Alternatively, filter the solution using a 0.2 μ M filter membrane.

Storage of 5 M sodium chloride solution

Store 5 M sodium chloride solution at room temperature (+15°C - +25°C).