

Procedure 1: To prepare 100ml of a 5M HCL Solution.

Materials & Equipment:

Fume cupboard
100ml Glass Bottles
100ml Graduated Cylinders
Magnetic Stirrer

Safety Note: Wear latex gloves and safety spectacles. Perform operation in Fume Hood.

Procedure:

1. Record component batch number(s), if appropriate.
2. Add approximately 40ml of deionised water to a 100ml glass bottle. **Note: Always add acid to water.**
3. Slowly add, while stirring, 43.64ml of Hydrochloric Acid. Adjust the final volume to 100ml with deionised water and mix thoroughly. Transfer the solution to a glass bottle.
4. Label your reagent.