



TB BIOSAFETY

Handout (H1:M1)

HANDOUT 1: PREPARING DISINFECTANTS

Calculate the correct volume of bleach required to make a final concentration of bleach for cleaning the GeneXpert instrument

- Bleach initial stock concentration = 4%
- Bleach working solution required = 0.1%
- Bleach working solution volume desired= 500 ml

What volume of bleach stock is required (show your calculation)?

Answer:

The volume of 4% bleach required to make a final concentration of 0.1% bleach in 500ml is 12.5ml. To make the solution correctly pour 12.5ml of stock bleach into a measuring cylinder and top up to 500ml (487.5ml) of water.