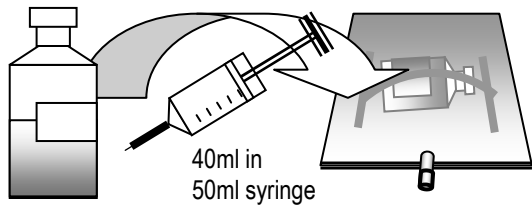


Schematic Representation of Step 4. Bioburden Recovery:

Stage: 4.1 To be completed in uncontrolled area within 3 hours of sampling
(Cleanest area possible is preferred)

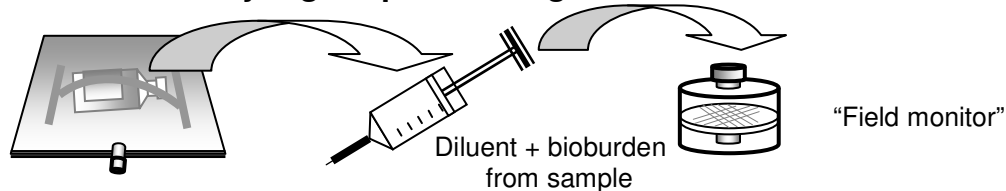
Stage: 4.2 Aseptically instil recovery diluent – 40ml (i.e. 4% volume) into 1 litre bag



Withdraw 40ml diluent into syringe then add to bag
Repeat for all samples.
Use (& keep) new, dedicated syringe per sample
Handle & dispose of sharps safely

Stage: 4.3 Agitate bag containing diluent & sample for 2 minutes, ensuring all surfaces are wetted / rinsed by diluent.

Stage: 4.4 Extract 75% of the diluent (i.e. 30ml) from the bag using the same dedicated syringe kept from stage 4.2

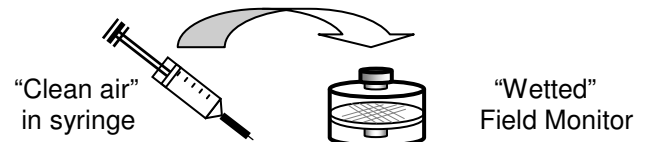


Stage: 4.5 Pass bioburden diluent from syringe through labelled field monitor

- Visible grid and blue cap uppermost.
- Remove both caps to add liquid.
- Collect effluent liquid beneath unit in a suitable receiver, then discard

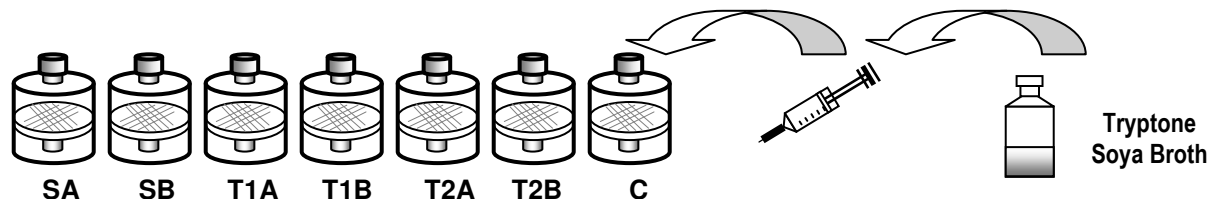
Repeat for all seven (7) samples

Stage: 4.7 Expel diluent from filter by injecting 10ml “clean air” previously drawn into a syringe via a vent needle



Repeat for all seven (7) samples

Stage: 4.8 Addition of growth media to filter
Add 2ml of tryptone soya broth to each filter unit using single 20ml syringe.



Stage: 4.9 Expel excess tryptone soya broth by injecting 0.5ml “clean air” into each filter unit using single 5ml syringe. Recap each unit. Invert & transfer to incubator 30°-35° C for 3 days