

Hair sterilisation for shampoo and adhesion test:

Materials:

Hair samples

Petri dish

Sterile Milli Q water

Ethanol 70%

Empty pipette tip box

Filter paper

Shampoo preparation:

1. A 1 in 20 dilution is prepared mixing with water.
2. Prepared dilution is subsequently autoclaved to sterilise

Hair sterilisation:

Option A- washing cycle:

1. Hair sample is retrieved from donor and placed on an 70% ethanol-containing petri dish.
2. Petri dish is then place on a rocker for 10-15 minutes.
3. Sample is retrieved and placed on a new Milli Q water-containing petri dish and placed again to rock; this procedure is repeated 3 times.
4. Overnight the sample is left rocking in ethanol.
5. The following morning is placed back on water for an additional 10 minutes and then left to dry overnight.

Option B- Autoclaving

1. Hair sample is placed on an empty pipette tip box between two filter papers.
2. The box is then filled with enough Milli Q water to cover the paper.
3. The pipette box is placed on an autoclaving for a normal ~1 hour 30 minutes cycle.