

Basic laboratory equipment

- 3D-Shaker
- Autoclave
- Centrifuge
- Crushed ice machine
- Fluorescence microscope (coupled with computer and camera and with the appropriate fluorescence filters)
- Freezers at -20°C and at -80°C
- Fridge at 4°C
- Fume hood
- Incubator at 37°C
- Thermocycler*
- Thermostatic baths (preferably two: a regular one and another with linear shaking)
- Vortex

Lab tools

- (Electronic) thermometer suitable for liquids
- Bio-hazardous waste containers
- Crushed ice container (any polystyrene box)
- Glass Petri dishes
- Hellendhal or Coplin jars (>10)
- Humid chamber (any plastic lunch box with moist paper and a grid)
- Micropipettes (P10, P100, P1000)
- Racks for Eppendorf tubes

- Scissors
- Tweezers
- Watch glasses

Consumables

- Autoclave tape
- Coverslips (24 x 40 mm)
- Eppendorf tubes
- Falcon tubes
- Foil paper
- Glass bottles for buffers (autoclavable)
- Gloves
- Parafilm
- Plastic coverslips
- Pasteur pipettes
- Permanent markers
- Pipette tips (usual sizes: 200 µl and 1000 µl)
- Razor blades
- Slides
- Tissue paper

(Non-essential materials for our regular protocol in italics)



(* Necessary for probe labelling by PCR or nick translation)

Reagents

- 2xSSC
- 4xSSCT
- 0.1xSSC
- 20xSSC
- Ultrapure distilled water
- 50% ethanol*
- 70% ethanol
- 90% ethanol
- Absolute ethanol
- 0.01N HCl
- Tween 20
- Pepsin 0.1 mg/ml
- Proteinase K 1 mg/ml*
- RNase A 10 mg/ml
- Deionised formamide
- Dextran sulphate (DS) 0.5 g/ml
- Sodium dodecyl sulphate (SDS) 0.1 g/ml*
- Salmon sperm DNA solution 10 mg/ml*
- "Vectashield" mounting medium with DAPI (Vector Labs.)
- Labelled probes
- 3.7% formaldehyde*
- PBS

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