

Halobacterium salinarum Media

Materials

- 250 g NaCl
- 20 g MgSO₄
- 2 g KCl
- 3 g NaH₂C₆H₅O₇ (Sodium Citrate)
- 10 g Oxoid Peptone
- 20 g Agar (if making plates)
- Stir Plate & Bar (or a Stir Stick if not available)
- 1 L Beaker
- 1 L Distilled Water
- 1 L Graduated Cylinder
- 1 L Bottle
- 2 L Flask (if making plates)
- .01 g – 300 g capable Scale
- Weigh boats and spatulas
- Autoclave
- Optional: Autoclave tape and Pen

Procedure

1. Put a stir bar into a beaker and put on a stir plate
 - a. If using a stir stick, just remember to stir the mixture with each new ingredient
2. Pour approximately 600 mL of distilled water into the beaker
3. Using a weighing boat, measure out 250 g of NaCl and pour it into the beaker.
4. Turn the stir plate on low
5. Repeat step 3 for the other substances except agar
6. Turn the stir plate up a little higher and measure out approximately 200 mL of distilled water and pour it into the beaker
7. After this has stirred for a while and it looks homogenous, pour the contents of the beaker into the graduated cylinder, holding another stir bar to the bottom of the beaker so that the stir bar will not fall out. Add enough distilled water to the cylinder to equal 1L
8. Transfer to a bottle and prepare it to be autoclaved
 - a. If making plates, add agar to the bottle that will be autoclaved