

Main sol. 999

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|--|---------|----|
| KH ₂ PO ₄ | 1.00 | g |
| CaCl ₂ x 2 H ₂ O | 0.05 | g |
| NH ₄ Cl | 0.50 | g |
| NaCl | 100.00 | g |
| MgCl ₂ x 6 H ₂ O | 2.00 | g |
| MgSO ₄ x 7 H ₂ O | 1.00 | g |
| Distilled water | 1000.00 | ml |

1. After autoclaving 20 min at 121°C, the following sterile solutions are added:

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|--|-------|----|
| NaHCO ₃ (20%) | 10.00 | ml |
| Na ₂ S x 9 H ₂ O (10%) | 7.50 | ml |
| Vitamins V₇ solution (Pfennig et Trüper, 1992) | 1.00 | ml |
| Trace element solution SL12 | 1.00 | ml |

2. The pH is adjusted to pH 7.2-7.4 For better growth of pure cultures, the growth medium should be supplemented with acetate (2 mM final concentration), succinate (1 mM final concentration) and yeast extract (0.5 g/l). Pure cultures should be incubated at 30°C and light intensity of 500 lux from a tungsten lamp (16 h light, 8 h dark). Pure cultures in liquid medium can be stored in 60 ml screw cap bottles at 4°C in the dark.