



Main sol. 81

Solution A	50.00	ml
Solution B	925.00	ml
Solution C	20.00	ml
Standard vitamin solution	5.00	ml

1. Solutions A, B, C are autoclaved separately for 15 min at 121°C, cooled down to 50°C and then mixed aseptically with 5.0 ml filter-sterilized standard vitamin solution (see below). The final pH of this medium should be 6.8 without adjustment.

2. For chemolithotrophic growth incubate the culture under an atmosphere of 2% (v/v) O₂, 10% CO₂, 60% H₂ and 28% N₂. For heterotrophic growth supplement the mineral medium with an appropriate carbon source (0.2% carbohydrate or 0.1% organic acid). For growth on nitrogen-free medium, omit NH₄Cl and incubate the culture under an atmosphere of 2% (v/v) O₂, 10% CO₂, 10% H₂ and 78% N₂ or heterotrophically under 2% (v/v) O₂ and 98% N₂. For more details see Ref. 1515 and Ref. 3363.