

Main sol. 1171

K ₂ HPO ₄	2.000	g
NH ₄ Cl	0.500	g
NaCl	120.000	g
MgSO ₄ x 7 H ₂ O	0.500	g
NaS ₂ O ₃ x 5 H ₂ O	0.024	g

Trace element solution SL-6	1.000	ml
NaHCO ₃	1.700	g
Vitamin B ₁₂	100.000	µg
Methanol	2.000	ml
Distilled water	1000.000	ml

1. pH 7.5
2. Prepare the medium without methanol, vitamin B₁₂ MgSO₄ x 7 H₂O, NaHCO₃ and NaS₂O₃ x 5 H₂O in closed vessels with a medium to headspace ratio of 1:5 to 1:10. Add the methanol, MgSO₄ x 7 H₂O, NaHCO₃ and NaS₂O₃ x 5 H₂O from autoclaved stock solutions after sterilisation of the medium. Vitamin B₁₂ is added from a filter sterilised stock solution to the sterile medium. Incubate the strains with shaking at 150 rpm. Growth is faster in the presence of 20mM sodium acetate instead of methanol.