

1272. THIOALKALIVIBRIO JANNASCHI

Mineral base:

Na ₂ CO ₃	0.5	g
NaHCO ₃	15.0	g
NaCl	15.0	g
K ₂ HPO ₄	0.5	g
Distilled water	1000.0	ml

Sterilize at 110°C 20 min in a closed vessel (i.e. a serum tube or bottle). pH after sterilization will about 10.

Trace element solution:

EDTA	5.0	mg
FeSO ₄ x 7 H ₂ O	2.0	mg
ZnSO ₄ x 7 H ₂ O	100.0	mg
MnCl ₂ x 4 H ₂ O	30.0	mg
CoCl ₂ x 6 H ₂ O	200.0	mg
NiCl ₂ x 6 H ₂ O	20.0	mg
Na ₂ MoO ₄ x 2 H ₂ O	30.0	mg
CuCl ₂ x 2 H ₂ O	10.0	mg
H ₃ BO ₃	300.0	mg
Distilled water	1000.0	ml

Final pH should be 3, add HCl if needed. Sterilization - 120°C 20 min.

After sterilization add:

Trace elements solution	2 ml/l
MgCl ₂ x 6 H ₂ O (200.0 g/l)	1 ml/l
(a white colloid will form which will rapidly dissolve after mixing)	

Prepare sterile stock solutions of the following

Sodium thiosulfate pentahydrate (40 mM - 9.92 g/l) - 20 ml/l
 KNO₃ - (1 M - 101 g/l) - 5ml/l