

ATCC Medium: 2778 MAB Medium for *Alkalitalea soaplakensis*

Na ₂ CO ₃	10.6 g
NaHCO ₃	13.6g
NaCl.....	10.0g
NH ₄ Cl.....	0.85g
K ₂ HPO ₄	0.48g
MgSO ₄ ·7H ₂ O.....	0.12g
CaCl ₂ ·2H ₂ O.....	0.061g
Trace Mineral Solution (see below).....	10 ml
Vitamin Solution (see below).....	10 ml
Cysteine HCL.....	0.7g
Resazurin.....	1mg
DI Water.....	1000 ml

Medium is prepared anaerobically under O₂ – free N₂ and sterilized by autoclaving at 121°C for 45 minutes.

Add 5 g of xylan from Beachwood (Sigma X4252). Xylan from Beachwood is steam sterilized dry in aluminum foil packets. This will avoid hydrolysis during autoclaving. Xylan is added after the broth has been sterilized by being autoclaved.

The final pH should be 9.8.

Trace Mineral Solution

FeSO ₄ ·7H ₂ O.....	2.1 g
N(CH ₃ COOH) ₃	1.5 g
MnSO ₄ ·H ₂ O.....	0.5 g
CoCl ₂ ·6H ₂ O.....	0.1 g
ZnSO ₄ ·7H ₂ O.....	0.1 g
CuSO ₄ ·2H ₂ O.....	10 mg
AlK(SO ₄) ₂ ·12H ₂ O.....	10 mg
H ₃ BO ₃	10 mg
DI Water.....	1000 ml

Vitamin Solution

Na ₂ MoO ₄ ·2H ₂ O.....	10 mg
Pyridoxine HCl.....	10 mg
Thiamine HCl.....	5 mg
Riboflavin.....	5 mg
Nicotinic acid.....	5 mg
p-aminobenzoic acid.....	5 mg
Lipoic acid.....	5 mg
Biotin.....	2 mg

Folic acid.....	2 mg
Vitamin B ₁₂	0.5 mg
DI Water.....	1000 ml