

1694. *Acidobacteriaceae* Medium (Modified VSB Medium)

KH ₂ PO ₄	0.20	g
NH ₄ Cl	0.25	g
KCl	0.50	g
CaCl ₂ x 2 H ₂ O	0.15	g
NaCl	1.00	g
MgCl ₂ x 6 H ₂ O	0.62	g
Yeast extract	0.15	g
Proteose Peptone BD	0.15	g
Casamino acids	0.15	g
Glucose	0.45	g
HEPES (1 M, pH 7.0)	10.00	ml
Na ₂ SO ₄ (1.25 M)	16.00	ml
add distilled water	1000.0000	ml

adjust pH to 5.0

Add to 1000 ml of medium after autoclaving:

Trace Element Solution SL-10 (see below)	1.0	ml
Vitamin Mix Solution (see below)	1.0	ml
Vitamin B ₁₂ (50 mg/l)	0.5	ml

Trace element solution SL-10:

HCl (25%; 7.7 M)	10.00	ml
FeCl ₂ x 4 H ₂ O	1.50	g
ZnCl ₂	70.00	mg
MnCl ₂ x 4 H ₂ O	100.00	mg
H ₃ BO ₃	6.00	mg
CoCl ₂ x 6 H ₂ O	190.00	mg
CuCl ₂ x 2 H ₂ O	2.00	mg
NiCl ₂ x 6 H ₂ O	24.00	mg
Na ₂ MoO ₄ x 2 H ₂ O	36.00	mg
Distilled water	990.00	ml

First dissolve FeCl₂ in HCl, then dilute with water, add and dissolve the other salts. Finally make up to 1000.0 ml.

Vitamin Mix solution:

Na-Phosphate-Buffer (10 mM pH 7.1)	100.00	ml
p-Aminobenzoic acid	4.00	mg
D(+)-Biotin	1.00	mg
Nicotinic acid	10.00	mg
D-Ca-pantothenate	5.00	mg
Pyridoxine-HCl	15.00	mg