

951. METHYLOPHAGA SULFIDOVORANS MEDIUM

NaCl	15.00	g
(NH ₄) ₂ SO ₄	0.50	g
CaCl ₂ x 6 H ₂ O	0.33	g
KCl	0.20	g
MgSO ₄ x 7 H ₂ O	1.00	g
KH ₂ PO ₄	0.02	g
Na ₂ CO ₃	2.00	g
FeSO ₄ x 7 H ₂ O	1.00	mg
Trace elements solution SL10 (see below)	1.00	ml
Vitamin solution (see below)	1.00	ml
Methanol	10.00	ml
Agar	15.00	g
Distilled water	998.00	ml

Prepare the medium without methanol and the vitamin solution. Adjust pH to 7.5 (± 0.3) with 2 N HCl. Liquid media is prepared in either Hungate tubes (5ml medium) or 100ml serum bottles (10ml medium) sealed with rubber stoppers.

Sterilize by autoclaving. After autoclaving add the methanol (filter sterilised) and the vitamin solution (filter sterilised) from sterile stock solutions.

Trace element solution SL10

HCl (concentrated)	5.000	ml
FeCl ₂ x 4 H ₂ O	1.500	g
ZnCl ₂	0.070	g
MnCl ₂ x 4 H ₂ O	0.200	g
H ₃ BO ₃	0.006	g
CoCl ₂ x 6 H ₂ O	0.190	g
CuCl ₂ x 2 H ₂ O	0.002	g
NiCl ₂ x 6 H ₂ O	0.024	g
Na ₂ MoO ₄ x 2 H ₂ O	0.036	g
Distilled water	1000.000	ml

Vitamin solution:

Biotin	20.00	mg
Nicotinic acid	200.00	mg
Thiamine	100.00	mg
p-aminobenzoic acid	100.00	mg
Pantothenate	50.00	mg
Pyridoxine x HCl	500.00	mg
Riboflavine	10.00	mg
Vitamin B ₁₂	10.00	mg
Distilled water	1000.00	ml