

1337. METHYLOPHAGA MEDIUM 1403**Mineral Salts Solution:**

NaCl	24.0	g
MgCl ₂ x 6 H ₂ O	3.0	g
MgSO ₄ x 7 H ₂ O	2.0	g
KCl	0.5	g
CaCl ₂	1.0	g
Bis-Tris	0.5	g
Wolfe's Mineral Solution (see below)	10.0	ml
Distilled water	1000.0	ml

Adjust to pH 8.0 and sterilize by autoclaving. The medium may be solidified by adding 20.0 g/l agar.

Solution T:

KH ₂ PO ₄	0.7	g
NH ₄ Cl	10.0	g
Bis-Tris	10.0	g
Ferric ammonium citrate	0.3	g
Distilled water	100.0	ml

Adjust to pH 8.0 and sterilize by autoclaving.

After autoclaving add 20 ml of Solution T to 1 litre of the sterile Mineral Salts Solution. Add 10 ml/litre of a filter sterilized 0.1mg/ml solution of vitamin B₁₂ and 3 ml/litre filter sterilized methanol to the complete medium. Final pH 8.0.

Wolfe's Mineral Solution

Nitrilotriacetic acid	0.15	g
MgSO ₄	0.30	g
MnSO ₄	5.00	g
NaCl	0.10	g
FeSO ₄	10.00	mg
CaCl ₂	10.00	mg
CoCl ₂	10.00	mg
ZnSO ₄	10.00	mg
CuSO ₄	1.00	mg
AlK(SO ₄) ₂	1.00	mg
Na ₂ MoO ₄	1.00	mg
Distilled water	100.00	ml