

## 1337. METHYLOPHAGA MEDIUM

### Mineral Salts Solution:

NaCl	24.0	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	3.0	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	2.0	g
KCl	0.5	g
CaCl <sub>2</sub>	1.0	g
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.

After autoclaving cool down and add 3 ml filter sterilized methanol, 20 ml of Solution T, 1 ml of vitamin B<sub>12</sub> (0.1mg/ml) filter sterilized solution and 10 ml of Wolfe's Mineral Solution to 1 litre medium. Final pH 8.0.

### Solution T:

KH <sub>2</sub> PO <sub>4</sub>	7.0	g
NH <sub>4</sub> Cl	100.0	g
Bis-Tris	100.0	g
Ferric ammonium citrate	3.0	g
Distilled water	1000.0	ml

Adjust to pH 8.0 and sterilize by autoclaving.

### Wolfe's Mineral Solution

Nitrilotriacetic acid	1.50	g
MgSO <sub>4</sub>	3.00	g
MnSO <sub>4</sub>	0.50	g
NaCl	1.00	g
FeSO <sub>4</sub>	0.10	g
CaCl <sub>2</sub>	0.10	g
CoCl <sub>2</sub>	0.10	g
ZnSO <sub>4</sub>	0.10	g
CuSO <sub>4</sub>	0.01	g
AlK(SO <sub>4</sub> ) <sub>2</sub>	0.01	g
H <sub>3</sub> BO <sub>3</sub>	0.01	g
Na <sub>2</sub> MoO <sub>4</sub>	0.01	g
Distilled water	1000.00	ml

First dissolve nitrilotriacetic acid and adjust pH to 6.5 with KOH, then add minerals. Adjust to pH 8.0 with KOH and sterilize by autoclaving.