

**158. THERMOPLASMA ACIDOPHILUM MEDIUM**

(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	1.320	g
KH <sub>2</sub> PO <sub>4</sub>	0.372	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.247	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.074	g
Trace element solution (see below)	10.000	ml
Yeast extract (Oxoid)	2.000	g
Glucose	20.000	g
Distilled water (freshly distilled)	1000.000	ml

Adjust pH to 1.0 with 1 N H<sub>2</sub>SO<sub>4</sub>. Stock solutions of yeast extract (10% w/v) and glucose (50% w/v) in water are sterilized separately by autoclaving and thereafter added to the sterile mineral salt medium.

*Trace element solution:*

FeCl <sub>3</sub> x 6 H <sub>2</sub> O	1.930	g
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	0.180	g
Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> x 10 H <sub>2</sub> O	0.450	g
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	22.000	mg
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	5.000	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	3.000	mg
VO <sub>2</sub> SO <sub>4</sub> x 5 H <sub>2</sub> O	3.800	mg
CoSO <sub>4</sub> x 7 H <sub>2</sub> O	2.000	mg
Distilled water	1000.000	ml