

**1454. MEIOTHERMUS HYPOGAEUS MEDIUM**

Bacto Yeast Extract (Difco)	1.00	g
Bacto Tryptone (Difco)	1.00	g
Sodium glutamate monohydrate	1.00	g
CaSO <sub>4</sub> x 2 H <sub>2</sub> O	0.06	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.10	g
NaCl	8.00	mg
KNO <sub>3</sub>	0.10	g
NaNO <sub>3</sub>	0.69	g
Na <sub>2</sub> HPO <sub>4</sub>	0.11	g
Trace elements solution (see below)(see medium 318)	10.00	ml
Agar (if needed)	20.00	g
Distilled water	1000.00	ml

Adjust pH to 7.5 with NaOH.

*Trace element solution:*

Nitrilotriacetic acid (NTA)	12.80	g
FeCl <sub>3</sub> x 6 H <sub>2</sub> O	1.35	g
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	0.10	g
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	24.00	mg
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.10	g
ZnCl <sub>2</sub>	0.10	g
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	25.00	mg
H <sub>3</sub> BO <sub>3</sub>	0.01	g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	24.00	mg
NaCl	1.00	g
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	0.12	g
Na <sub>2</sub> SeO <sub>4</sub>	4.00	mg
Na <sub>2</sub> WO <sub>4</sub>	4.00	mg
Distilled water	1000.00	ml

First dissolve the nitrilotriacetic acid and adjust pH to 6.5 with NaOH, and then add minerals. Final pH 7.0.