

**878. THERMUS 162 MEDIUM**

Yeast extract	1.00	g
Tryptone	1.00	g
Agar	28.00	g
Nitrilotriacetic acid	100.00	mg
CaSO <sub>4</sub> x 2 H <sub>2</sub> O	40.00	mg
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	200.00	mg
0.01 M Fe citrate	0.50	ml
Trace element solution (see below)	0.50	ml
Phosphate buffer (see below)	100.00	ml
Distilled water	900.00	ml

Adjust pH to 7.2 with NaOH. Autoclave at 121°C for 15 min. Autoclave the phosphate buffer separately and then add to the medium.

*Phosphate buffer:*

KH <sub>2</sub> PO <sub>4</sub>	5.44	g
Na <sub>2</sub> HPO <sub>4</sub> x 12 H <sub>2</sub> O	43.00	g
Distilled water	1000.00	ml
Adjust pH to 7.2		

*Trace element solution:*

H <sub>2</sub> SO <sub>4</sub>	0.50	ml
MnSO <sub>4</sub> x H <sub>2</sub> O	2.28	g
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	0.50	g
H <sub>3</sub> BO <sub>3</sub>	0.50	g
CuSO <sub>4</sub> x 5 H <sub>2</sub> O	25.00	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	25.00	mg
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	45.00	mg
Distilled water	1000.00	ml