

878: THERMUS 162 MEDIUM

This recipe contains strain-specific modifications for *Thermus islandicus* DSM 21543 *

Yeast extract	1.00	g
Tryptone	1.00	g
Agar	28.00	g
Nitrilotriacetic acid	100.00	mg
CaSO ₄ x 2 H ₂ O	40.00	mg
MgCl ₂ x 6 H ₂ O	200.00	mg
Fe(III) citrate (0.01 M)	0.50	ml
Trace element solution	0.50	ml
Phosphate buffer	100.00	ml
Sodium pyruvate	0.60	g/L
Peptone	1.00	g/L
Glucose	0.50	g/l
Starch	0.50	g/l
Distilled water	900.00	ml

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

* Supplemented with 1 g/L peptone, 0.5 g/L glucose, 0.5 g/L starch plus 0.6 g/L sodium pyruvate; pH 6.5-7.0

Phosphate buffer (from medium 630)

KH ₂ PO ₄	5.44	g
Na ₂ HPO ₄ x 12 H ₂ O	43.00	g
Distilled water	1000.00	ml

Adjust pH to 7.2

Trace element solution (from medium 878)

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