

1375. HALANAEROBACTER JERIDENSE MEDIUM**Mineral Salts Solution:**

NH ₄ Cl	1.000	g
MgCl ₂ x 6 H ₂ O	10.000	g
MgSO ₄ x 7 H ₂ O	5.000	g
KCl	2.000	g
K ₂ HPO ₄ x 3 H ₂ O	0.500	g
NaCl	150.000	g
Resazurin	0.001	g
Trace element solution SL 6 (see below)	10.000	ml
Distilled Water	1000.000	ml

Final pH 8.3

Prepare the medium without the Na₂S, Na₂CO₃, NaHCO₃, L-cysteine and substrates. Boil the medium and cool under a stream of nitrogen. Dispense the medium into Hungate tubes or serum bottles under gassing with N₂. Sterilize by autoclaving. Before inoculation add from sterile stock solutions:

Glucose (10% v/v)	0.40 ml/10 ml
Na ₂ CO ₃ (10% v/v)	0.15 ml/10 ml
Na ₂ S x 9 H ₂ O (2% v/v)	0.05 ml/10 ml
Yeast extract (10% v/v)	0.05 ml/10 ml
L-Cysteine (10% v/v)	0.05 ml/10 ml

Trace element solution:

Nitrilotriacetic acid	1.50	g
MgSO ₄ x 7 H ₂ O	3.00	g
MnSO ₄ x H ₂ O	0.50	g
NaCl	1.00	g
FeSO ₄ x 7 H ₂ O	0.10	g
CoSO ₄ x 7 H ₂ O	0.18	g
CaCl ₂ x 2 H ₂ O	0.10	g
ZnSO ₄ x 7 H ₂ O	0.18	g
CuSO ₄ x 5 H ₂ O	0.01	g
KAl(SO ₄) ₂ x 12 H ₂ O	0.02	g
H ₃ BO ₃	0.01	g
Na ₂ MoO ₄ x 2 H ₂ O	0.01	g
NiCl ₂ x 6 H ₂ O	0.03	g
Na ₂ SeO ₃ x 5 H ₂ O	0.30	mg
Distilled water	1000.00	ml

First dissolve nitrilotriacetic acid and adjust pH to 6.5 with KOH, then add minerals. Final pH 7.0 (with KOH).