

1474. PROLIXIBACTER MEDIUM GYSW

NH ₄ Cl	0.54	g
KH ₂ PO ₄	0.14	g
MgCl ₂ x 6 H ₂ O	0.20	g
CaCl ₂ x 2 H ₂ O	0.15	g
Trace elements (see below)	10.00	ml
Vitamin solution (see medium 141)	10.00	ml
Resazurin solution (see below)	1.00	ml
D-Glucose	1.80	g
Yeast extract (Difco)	1.00	g
NaHCO ₃	2.52	g
Cysteine-HCl x H ₂ O	0.50	g
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Prepare the liquid medium without Vitamin solution, Cysteine-HCl x H₂O and Na₂S x 9 H₂O. Adjust to pH 7.0 with 1 M NaOH. Dispense the medium into Hungate tubes or serum bottles under gassing with N₂:CO₂ (80:20 v/v). Sterilize by autoclaving. Before inoculation add from sterile stock solutions Cysteine-HCl x H₂O, Vitamin solution (filter sterilized) and Na₂S x 9 H₂O.

Trace element solution:

nitrilotriacetic acid	12.800	g
FeCl ₃ x 6 H ₂ O	1.350	g
MnSO ₄ x H ₂ O	0.100	g
CoCl ₂ x 6 H ₂ O	0.024	g
CaCl ₂ x 2 H ₂ O	0.100	g
ZnCl ₂	0.100	g
CuCl ₂ x 5 H ₂ O	0.025	g
H ₃ BO ₃	0.010	g
Na ₂ MoO ₄ x 2 H ₂ O	0.024	g
NaCl	1.000	g
NiCl ₂ x 6 H ₂ O	0.120	g
Na ₂ SeO ₃ x 5 H ₂ O	0.004	g
Na ₂ WO ₄	0.004	g
Distilled water	1000.000	ml

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

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Resazurin solution:

Resazurin	1.0	mg
Distilled Water	1.0	L