

1340. SEHEL FOR HALANAEROBIUM

Mineral Salts Solution:

NH ₄ Cl	1.0	g
K ₂ HPO ₄	0.3	g
KH ₂ PO ₄	0.3	g
KCl	0.1	g
MgCl ₂ x 7 H ₂ O	0.5	g
CaCl ₂ x 2 H ₂ O	0.1	g
NaCl	200.0	g
KNO ₃	2.0	g
Trace Elements Solution (see below)	10.0	ml
Resazurin	0.001	g
Distilled water	1000.0	ml

Trace Elements 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	0.03	mg
Distilled water	1000.0	ml

Prepare the liquid medium. Adjust to pH 8.3 with 10 M KOH solution. Boil the medium in a water bath and cool under N₂:CO₂ (80:20 v/v) to room temperature. 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:

NaHCO ₃ (10% w/v)	20.0	ml/l
Na ₂ S x 9 H ₂ O (2% w/v)	20.0	ml/l
MgCl ₂ x 6 H ₂ O (10% w/v)	20.0	ml/l
Glucose 1M	20.0	ml/l
Yeast Extract (10% w/v)	10.0	ml/l
Cysteine-HCl (10% w/v)	5.0	ml/l