

891. SME MEDIUM MODIFIED FOR IS7

NaCl	30.00	g
MgSO ₄ x 7 H ₂ O	0.70	g
MgCl ₂ x 6 H ₂ O	0.55	g
KCl	0.65	g
NaBr	0.10	g
NaHCO ₃	2.00	g
NH ₄ Cl	0.15	g
K ₂ HPO ₄	0.15	g
CaCl ₂ x 2 H ₂ O	0.50	g
Sulfur, powdered	0.50	g
Trace element solution (see medium 141)	10.00	ml
Distilled water	1000.00	ml

Adjust pH to 7.0 using H₂SO₄.

Prepare the medium under H₂ gas and fill 20 ml medium into 100 ml serum bottles and seal with a rubber stopper. Steam medium for 3 hours on each of 3 successive days.

Give an atmosphere of H₂/CO₂/O₂ (78/20/2) with an overpressure of two atmospheres.

Incubate at 70°C without shaking.