

316. MOORELLA THERMOACETICA (TYE-CO) MEDIUM

NH ₄ Cl	1.0	g
KH ₂ PO ₄	0.3	g
Na ₂ HPO ₄ x 12 H ₂ O	2.8	g
MgCl ₂ x 6 H ₂ O	0.2	g
Trypticase peptone (BD BBL)	10.0	g
Yeast extract (OXOID)	3.0	g
Trace element solution (see medium 141)	10.0	ml
Vitamin solution (see medium 141)	5.0	ml
FeSO ₄ x 7 H ₂ O solution (0.1% w/v in 0.1 N H ₂ SO ₄)	1.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ S x 9 H ₂ O	0.6	g
Distilled water	1000.0	ml

Dissolve ingredients (except sulfide), adjust pH to 7.0, bring medium to the boil, then cool to room temperature under 100% **carbon monoxide** gas. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add sulfide from a sterile anoxic stock solution prepared under 100% N₂ gas.