

133: CARBON MONOXIDE OXIDIZER MEDIUM

Na ₂ HPO ₄ x 12 H ₂ O	4.50	g
KH ₂ PO ₄	0.75	g
NH ₄ Cl	1.50	g
MgSO ₄ x 7 H ₂ O	0.20	g
CaCl ₂ x 2 H ₂ O	0.03	g
Ferric ammonium citrate	18.00	mg
Trace element solution SL-6	1.00	ml
Na-acetate (optional)	3.00	g
Agar, for solid medium (optional)	12.00	g
Distilled water	1000.00	ml

1. Dissolve ingredients, adjust pH to 7.0 and autoclave.
2. For chemoautotrophic growth incubate under a gas atmosphere of a) 20 - 80% carbon monoxide + 10% O₂ + 70 - 10% N₂ or b) 70% H₂ + 20% O₂ + 10% CO₂ adding 2.50 g NaHCO₃ per liter of medium.
3. For chemoorganotrophic growth add 3.00 g sodium acetate and incubate under air atmosphere.

Trace element solution SL-6 (from medium 27)

ZnSO ₄ x 7 H ₂ O	0.10	g
MnCl ₂ x 4 H ₂ O	0.03	g
H ₃ BO ₃	0.30	g
CoCl ₂ x 6 H ₂ O	0.20	g
CuCl ₂ x 2 H ₂ O	0.01	g
NiCl ₂ x 6 H ₂ O	0.02	g
Na ₂ MoO ₄ x 2 H ₂ O	0.03	g
Distilled water	1000.00	ml