

692. METHANOSALSUM WeN5 MEDIUM

NaCl	15.0	g
NaHCO ₃	10.0	g
KH ₂ PO ₄	0.3	g
NH ₄ Cl	0.5	g
Trace element solution (see medium 141)	10.0	ml
NiCl ₂ x 6 H ₂ O solution (0.1% w/v)	2.0	ml
Yeast extract	0.5	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ CO ₃	4.0	g
Methanol	5.0	ml
Na ₂ S x 9 H ₂ O	1.0	g
Distilled water	1000.0	ml

Dissolve ingredients except carbonate, methanol and sulfide, then sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Add and dissolve carbonate and adjust pH to 9.0 – 9.2, then dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Prior to inoculation add methanol and sulfide from anoxic stock solutions autoclaved under 100% N₂ gas. Adjust pH of complete medium to 9.2 - 9.4.