

Main sol. 206

Na ₂ SO ₄	3.00	g
NH ₄ Cl	1.00	g
MgCl ₂ x 6 H ₂ O	0.20	g
KH ₂ PO ₄	0.30	g
Na ₂ HPO ₄ x 12 H ₂ O	2.00	g
Trace element solution	10.00	ml
FeSO ₄ x 7 H ₂ O (0.1% w/v in 0.1 N H ₂ SO ₄)	1.50	ml
Sodium resazurin (0.1% w/v)	0.50	ml
Yeast extract	1.00	g
Na-L-lactate	4.00	g
Wolin's vitamin solution	5.00	ml
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except yeast extract, lactate, vitamins and sulfide) and sparge medium for 30 - 45 min with 100% N₂ gas to make it anoxic. Distribute under same gas atmosphere in anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add yeast extract, lactate, vitamins (sterilized by filtration) and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Before use, neutralize the sodium sulfide solution by dropwise addition of 2 N H₂SO₄ (see medium 29). Adjust pH of complete medium to 6.8 - 7.0.