

1487. MAGNETOVIBRIO MEDIUM

NaCl	16.50	g
MgCl ₂ x 6 H ₂ O	3.50	g
Na ₂ SO ₄	2.75	g
KCl	0.50	g
NaNO ₃	0.50	g
CaCl ₂ x 2 H ₂ O	0.40	g
NH ₄ Cl	0.25	g
Trace elements solution (see medium 318)	10.00	ml
Na-acetate	0.25	g
Na ₂ -succinate	0.50	g
Casamino acids (BD Bacto)	0.50	g
Na-resazurin solution (0.1% w/v)	0.50	ml
K ₂ HPO ₄	0.15	g
Na ₂ CO ₃	1.50	g
Vitamin solution (see medium 141)	10.00	ml
L-Cysteine-HCl x H ₂ O	0.25	g
Distilled water	1000.00	ml

Dissolve ingredients (except hydrogenphosphate, carbonate, vitamins and cysteine), then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add hydrogenphosphate, vitamins and cysteine from sterile anoxic stock solutions prepared under 100% N₂ gas and carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. The vitamin solution should be sterilized by filtration. Adjust pH of the complete medium to 7.0 - 7.2, if necessary.