

712. PSEUDOBUTYRIVIBRIO MEDIUM

K ₂ HPO ₄	0.23	g
KH ₂ PO ₄	0.23	g
NaCl	0.45	g
(NH ₄) ₂ SO ₄	0.45	g
CaCl ₂ x 2 H ₂ O	0.06	g
MgSO ₄ x 7 H ₂ O	0.09	g
Yeast extract	5.00	g
Indigocarmine	5.00	mg
NaHCO ₃	6.40	g
Vitamins solution (see medium 141)	10.00	ml
D-Glucose	5.00	g
L-Cysteine-HCl x H ₂ O	0.30	g
Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	600.00	ml

Dissolve ingredients (except bicarbonate, vitamins, glucose, cysteine and sulfide), then sparge medium with 100% CO₂ gas for 30 – 45 min to make it anoxic. Add the bicarbonate and equilibrate the medium with the CO₂ gas to pH 6.8. Distribute medium under CO₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Thereafter, add vitamins, glucose, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Vitamins are sterilized by filtration. Adjust pH of complete medium to 6.7 - 6.8, if necessary.