

1714. CONEXIVISPHAERA MEDIUM

(NH ₄) ₂ SO ₄	0.20	g
KH ₂ PO ₄	3.00	g
Allen's trace element solution (see medium 88)	10.00	ml
Na ₂ S ₂ O ₃ x 5 H ₂ O	2.50	g
MgSO ₄ x 7 H ₂ O	0.50	g
CaCl ₂ x 2 H ₂ O	0.25	g
Yeast extract (OXOID)	0.50	g
Vitamin solution (see medium 141)	10.00	ml
L-Cysteine-HCl x H ₂ O	0.05	g
FeCl ₂ x 4 H ₂ O	0.25	g
Distilled water	1000.00	ml

Dissolve ammonium sulfate, potassium phosphate and trace elements, adjust pH to 5.2 using 10 N H₂SO₄ and 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 magnesium sulfate, calcium chloride, yeast extract, vitamins (sterilized by filtration), cysteine and ferrous chloride from sterile anoxic stock solutions prepared under 100% N₂ gas. Adjust pH of complete medium to 5.0 - 5.2, if necessary.