

1115. CONGREGIBACTER (SYPHC) MEDIUM

Sea Salts (SIGMA)	35.00	g
Wolfe's mineral elixier (see medium 792)	1.00	ml
NH ₄ Cl	0.10	g
Yeast extract	1.00	g
Na-pyruvate	1.10	g
HEPES (SIGMA)	2.50	g
L-Histidine	0.04	g
L-Cysteine-HCl x H ₂ O	0.04	g
Vitamin solution (see medium 503)	0.50	ml
KH ₂ PO ₄	0.05	g
Distilled water	1000.00	ml

Dissolve ingredients (except vitamins and hydrogenphosphate) and adjust pH to 7.7. After autoclaving add vitamins and hydrogenphosphate from sterile stock solutions sterilized by filtration. Adjust pH of complete medium to 7.3 – 7.5, if necessary.

Note: Growth of most strains is stimulated by using microaerophilic conditions with only 10% (v/v) oxygen in the head space gas atmosphere. For microaerophilic growth medium is prepared without HEPES, sparged with 80% N₂ and 20% CO₂ gas mixture to make it anoxic and then dispensed under air atmosphere into serum vials to 50% volume. After autoclaving the pH is adjusted to 7.5 using a sterile anoxic stock solution of Na₂CO₃ (5% w/v) prepared under 80% N₂ and 20% CO₂ gas mixture.