168. SPIROCHAETA AURANTIA MEDIUM

Solution A:
D-Glucose 2.0 g
Yeast extract 2.0 g
Trypticase peptone (BD BBL) 5.0 g
Distilled water 1000.0 ml
Adjust pH to 7.5 with KOH.

Solution B:
1 M K-phosphate buffer, pH 7.0 10.0 ml
Combine 6.15 ml of 1 M K2HPO4 with 3.85 ml 1 M KH2PO4 stock solution to reach a pH of around 7.0.

Sterilize solutions A and B separately by autoclaving at 121°C for 15 min and combine thereafter. Final pH of the complete medium 7.0 - 7.3.
For anaerobic cultivation sparge both solutions for 30 – 45 min with 100% N2 gas to make them anoxic. Distribute solution A in anoxic Hungate-type tubes or serum vials prior to autoclaving. Thereafter, add the appropriate amount of the sterile anoxic solution B to complete the medium.
For solid medium add 12.0 g/l agar (BD Bacto).