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 K_2HPO_4 with 3.85 ml 1 M KH_2PO_4 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% N_2 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).