845. SPIRILLUM D427 MEDIUM

Peptone (BD Bacto) 5.0 g
Na₂-Succinate 1.0 g
(NH₄)₂SO₄ 1.0 g
MgSO₄ x 7 H₂O 1.0 g
FeCl₃ x 6 H₂O 2.0 mg
MnSO₄ x H₂O 2.0 mg
Agar (BD Bacto) 1.0 g
Trace element solution SL-11 (see Medium 722) 1.0 ml
Vitamin solution (see medium 503) 1.0 ml
Catalase (2000 U/ml) 1.0 ml
Distilled water 1000.0 ml

Dissolve ingredients except trace elements, vitamins and catalase, adjust pH to 7.2 - 7.4, bring medium to the boil and cool to room temperature under 100% N₂ gas atmosphere. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. To complete the medium add trace elements, vitamins and catalase from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere. Vitamins and catalase should be sterilized by filtration. After inoculation, inject sterile air into the culture vessel up to about 20% of the total gas volume (i.e., 4 parts N₂ and 1 part air).