

**845. SPIRILLUM D427 MEDIUM**

Peptone (BD Bacto)	5.0	g
Na <sub>2</sub> -Succinate	1.0	g
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	1.0	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	1.0	g
FeCl <sub>3</sub> x 6 H <sub>2</sub> O	2.0	mg
MnSO <sub>4</sub> x H <sub>2</sub> O	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% N<sub>2</sub> 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% N<sub>2</sub> 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 N<sub>2</sub> and 1 part air).