

792b. CAMINIBACTER MEDIATLANTICUS MEDIUM

Solution A:

NaCl	30.00	g
MgSO ₄ x 7 H ₂ O	3.50	g
MgCl ₂ x 6 H ₂ O	2.75	g
CaCl ₂ x 2 H ₂ O	0.75	g
KCl	0.33	g
NaBr	0.05	g
H ₃ BO ₃	15.00	mg
SrCl ₂ x 6 H ₂ O solution (0.1% w/v)	7.00	ml
KI solution (0.01% w/v)	0.50	ml
Wolfe's mineral elixir (see medium 792)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
Distilled water	980.00	ml

Solution B:

KNO ₃	1.00	g
KH ₂ PO ₄	0.50	g
Distilled water	10.00	ml

Solution C:

Na ₂ S x 9 H ₂ O	0.15	g
Distilled water	10.00	ml

Spurge *solution A* with 80% H₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic, then dispense under same gas atmosphere into anoxic serum vials (e.g., 20 ml medium in 100 ml bottles) and autoclave. *Solution B* is autoclaved separately under 80% N₂ and 20% CO₂ gas mixture and *solution C* is autoclaved under 100% N₂ gas. To complete the medium appropriate amounts of *solutions B* and *C* are added to *solution A*. Adjust pH of the complete medium to 5.7. After inoculation pressurize vials to 2 bar overpressure with sterile 80% H₂ and 20% CO₂ gas mixture.

Note: Solution A has to be prepared freshly. It cannot be stored for a long period of time.