

**1206. CALDANAEROVIRGA MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	0.27	g
NH <sub>4</sub> Cl	0.50	g
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	0.50	g
TAPS sodium salt (SIGMA)	2.40	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.01	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.02	g
Yeast extract	1.00	g
Trace element solution (see medium 141)	10.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO <sub>3</sub>	1.50	g
D-Xylose	3.00	g
Vitamin solution (see medium 141)	10.00	ml
L-Cysteine-HCl x H <sub>2</sub> O	0.25	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.25	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, xylose, vitamins, cysteine and sulfide), adjust pH to 8.5, then sparge medium with 100% N<sub>2</sub> gas for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add xylose, vitamins, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas and bicarbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. Sterilize stock solutions of xylose and vitamins by filtration. Adjust pH of the complete medium to 8.5, if necessary.