

## 487. PEPTOCLOSTRIDIUM MEDIUM (BETAINE)

Betaine x H <sub>2</sub> O	6.00	g
L-Alanine	2.20	g
NaCl	10.00	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.50	g
NH <sub>4</sub> Cl	1.00	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.03	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Vitamin solution (see medium 141)	10.00	ml
Yeast extract	1.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO <sub>3</sub>	5.00	g
K <sub>2</sub> HPO <sub>4</sub>	0.36	g
KH <sub>2</sub> PO <sub>4</sub>	0.23	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.30	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, phosphates and sulfide), bring medium to the boil, then cool to room temperature under 100% N<sub>2</sub> gas atmosphere. Add and dissolve bicarbonate, adjust pH to 7.5, dispense under 100% N<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add phosphates and sulfide from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas. Adjust pH of complete medium to 7.3 – 7.5, if necessary.