

**678. COPROTHERMOBACTER (CP) MEDIUM**

NH <sub>4</sub> Cl	1.0	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	1.0	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.4	g
K <sub>2</sub> HPO <sub>4</sub> x 3 H <sub>2</sub> O	0.4	g
Trace element solution (see medium 141)	10.0	ml
Trypticase peptone (BD BBL)	2.0	g
Yeast extract (OXOID)	2.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
NaHCO <sub>3</sub>	8.4	g
Gelatine	3.0	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients (except bicarbonate, gelatine and sulfide), then sparge medium with 100% CO<sub>2</sub> gas for 30 – 45 min to make it anoxic. Add and dissolve bicarbonate and equilibrate the medium with the CO<sub>2</sub> gas to achieve a pH of 7.0. Dispense the medium under 100% CO<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add gelatine and sulfide from sterile anoxic stock solutions autoclaved under 100% N<sub>2</sub> gas. Prior to inoculation check pH of complete medium and adjust to 7.0, if necessary.

For DSM 9219: Use 5.0 g/l of D-glucose as the substrate replacing gelatine.