678: COPROTHERMOBACTER (CP) MEDIUM

NH_4Cl	1.00	g
$MgCl_2$ x 6 H_2O	1.00	g
$CaCl_2$ x 2 H_2O	0.40	g
K_2HPO_4 x 3 H_2O	0.40	g
Modified Wolin's mineral solution	10.00	ml
Trypticase peptone (BD BBL)	2.00	g
Yeast extract (OXOID)	2.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
$NaHCO_3$	8.40	g
Gelatine	3.00	g
Na_2S x 9 H_2O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, gelatine and sulfide), then sparge medium with 100% CO_2 gas for 30 - 45 min to make it anoxic. Add and dissolve bicarbonate and equilibrate the medium with the CO_2 gas to achieve a pH of 7.0. Dispense the medium under 100% CO_2 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_2 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.

Modified Wolin's mineral solution (from medium 141)

Nitrilotriacetic acid	1.50	g
$MgSO_4$ x 7 H_2O	3.00	g
$MnSO_4$ x H_2O	0.50	g
NaCl	1.00	g
$FeSO_4$ x 7 H_2O	0.10	g
$CoSO_4$ x 7 H_2O	0.18	g
$CaCl_2$ x 2 H_2O	0.10	g
$ZnSO_4$ x 7 H_2O	0.18	g
$CuSO_4$ x 5 H_2O	0.01	g
$AlK(SO_4)_2$ x 12 H_2O	0.02	g
H_3BO_3	0.01	g
Na_2MoO_4 x 2 H_2O	0.01	g
$NiCl_2$ x 6 H_2O	0.03	g
Na_2SeO_3 x 5 H_2O	0.30	mg
Na_2WO_4 x 2 H_2O	0.40	mg
Distilled water	1000.00	ml

First dissolve nitrilotriacetic acid and adjust pH to 6.5 with KOH, then add minerals. Adjust final to pH 7.0 with KOH.