

640a. THERMOCLOSTRIDIUM CAENICOLA MEDIUM

NH ₄ Cl	0.90	g
NaCl	0.90	g
MgCl ₂ x 6 H ₂ O	0.40	g
KH ₂ PO ₄	0.75	g
K ₂ HPO ₄	1.50	g
Trypticase peptone (BD BBL)	2.00	g
Yeast extract (OXOID)	1.00	g
Trace element solution SL-10 (see medium 320)	1.00	ml
FeCl ₃ x 6 H ₂ O solution (0.1% w/v in 0.2 N HCl)	2.50	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	2.00	g
Cellobiose	1.00	g
L-Cysteine-HCl x H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except bicarbonate, cellobiose and cysteine. Sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic, then add bicarbonate and adjust pH to 6.8. Distribute medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add cellobiose and cysteine after autoclaving from anoxic stock solutions prepared under 100% N₂ gas atmosphere. Cellobiose has to be sterilized by filtration. Adjust pH of the complete medium to 6.5, if necessary.