640a: THERMOCLOSTRIDIUM CAENICOLA MEDIUM

NH_4Cl	0.90	g
NaCl	0.90	g
$MgCl_2$ x 6 H_2O	0.40	g
KH_2PO_4	0.75	g
K_2HPO_4	1.50	g
Trypticase peptone (BD BBL)	2.00	g
Yeast extract (OXOID)	1.00	g
Trace element solution SL-10	1.00	ml
$FeCl_3$ x 6 H_2O (0.1% w/v in 0.2 N HCl)	2.50	ml
Sodium resazurin (0.1% w/v)	0.50	ml
$NaHCO_3$	2.00	g
Cellobiose	1.00	g
L-Cysteine HCl x H_2O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except bicarbonate, cellobiose and cysteine. Sparge medium with 80% N_2 and 20% CO_2 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% N_2 gas atmosphere. Cellobiose has to be sterilized by filtration. Adjust pH of the complete medium to 6.5, if necessary.

Trace element solution SL-10 (from medium 320)

HCl (25%)	10.00	ml
$FeCl_2$ x 4 H_2O	1.50	g
$ZnCl_2$	70.00	mg
$MnCl_2$ x 4 H_2O	100.00	mg
H_3BO_3	6.00	mg
$CoCl_2$ x 6 H_2O	190.00	mg
$CuCl_2$ x 2 H_2O	2.00	mg
$NiCl_2$ x 6 H_2O	24.00	mg
Na_2MoO_4 x 2 H_2O	36.00	mg
Distilled water	990.00	ml

First dissolve $FeCl_2$ in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.00 ml.