1233: CALDICOPROBACTER MEDIUM

NaCl	0.50	g
KCl	0.20	g
$MgCl_2$ x 6 H_2O	0.18	g
NH_4Cl	0.10	g
HEPES (SIGMA)	4.80	g
Na_2HPO_4 x 7 H_2O	54.00	mg
$Fe(NH_4)_2(SO_4)_2$ x 6 H_2O (0.1% w/v)	4.00	ml
$CaCl_2$ x 2 H_2O (0.1% w/v)	2.00	ml
$MnCl_2$ x 4 H_2O (0.1% w/v)	1.00	ml
Yeast extract (OXOID)	5.00	g
Tryptone (BD Bacto)	2.50	g
Sodium resazurin (0.1% w/v)	0.50	ml
L-Cysteine HCl x H_2O	1.00	g
D-Glucose	5.00	g
Distilled water	1000.00	ml

1. Dissolve ingredients (except cysteine and glucose), then sparge medium with 100% N_2 gas for 30 - 45 min to make it anoxic. Add solid cysteine and adjust pH to 7.3 - 7.5, then dispense medium under 100% N_2 gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before inoculation, add glucose from a sterile anoxic stock solution prepared under 100% N_2 gas.

2. Addition of 10 - 20 mg sodium dithionite per liter (e.g. from 5% (w/v) solution, freshly prepared under N_2 and filter-sterilized) can be used to completely reduce the medium and may stimulate growth at the beginning.