165. ACETIVIBRIO CELLULOLYTICUS MEDIUM

Mineral solution 1 (see below)	75.000	ml
Mineral solution 2 (see below)	75.000	ml
$FeSO_4$ x 7 H_2O	0.020	g
Vitamin solution (see medium 141)	10.000	ml
Trace element solution (see medium 141)	10.000	ml
Cellobiose *or* cellulose (MN 300, Whatman CF II, Kleenex tissue paper, or HCl treated cotton)	3.000	g
Resazurin	0.001	g
$NaHCO_3$	2.000	g
Cysteine-HCl x H_2O	0.250	g
Na_2S x 9 H_2O	0.250	g
Distilled water	830.000	ml

Adjust pH to 7.6. Gas atmosphere: 80% N_2 + 20% CO_2. Final pH after autoclaving is 7.2. Cellobiose is filter-sterilized separately, flushed and stored under nitrogen gas until needed. Cysteine and sodium sulfide are each autoclaved separately in concentrated solutions under nitrogen gas.

Mineral solution 1:

K_2HPO_4	3.900	g
Distilled water	1000.000	ml

Mineral solution 2:

KH_2PO_4	2.400	g
$(NH_4)_2SO_4$	6.000	g
NaCl	0.590	g
$MgSO_4$ x 7 H_2O	1.200	g
$CaCl_2$ x 2 H_2O	0.720	g
Distilled water	1000.000	ml