



679: DEHALOGENIMONAS MEDIUM

Final pH: 7.0

Final volume: 1006 ml

NaCl	1.00	g
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1. To complete the medium, adjust pH to 7.0 with sterile HCl solution, dispense into culture vessels leaving 40 to 50% volume of gas phase (e.g., 30 ml of the medium in a 50 ml serum bottle) and seal with butyl rubber stoppers. Replace the gas phase with a N₂-CO₂-H₂ (8:1:1, v/v) gas mixture. Finally add the following filter-sterilized chlorosolvent (per liter):

MgCl ₂ x 6 H ₂ O	0.40	g
CaCl ₂ x 2 H ₂ O	0.10	g
NH ₄ Cl	0.25	g
KH ₂ PO ₄	0.20	g
KCl	0.50	g
Sodium acetate	0.41	g
L-Cysteine HCl x H ₂ O	0.25	g
Resazurin	1.00	mg
Distilled water	910.00	ml

2. Mix components and autoclave under a N₂ atmosphere. After cooling, anaerobically add the following sterile solutions (autoclaved or *filter-sterilized) from anaerobic stocks:

NaHCO ₃ (*, 8%)	30.00	ml
Trace element solution	1.00	ml
Selenite-tungstate solution	1.00	ml
Vitamin solution (see Medium No. 403) (*)	10.00	ml
Thiamine solution (see Medium No. 403) (*)	10.00	ml
Vitamin B ₁₂ solution (see Medium No. 403) (*)	10.00	ml
Ampicillin (*, 0.1 g/ml)	10.00	ml
Vancomycin x HCl (*, 10 mg/ml)	10.00	ml
Na ₂ S x 9 H ₂ O (5%)	8.00	ml
1,2-Dichloropropane (10 mg/ml in methanol)	6.00	ml

Trace element solution

HCl (25%)	12.50	ml
FeSO ₄ x 7 H ₂ O	2.10	g
H ₃ BO ₃	30.00	mg
MnCl ₂ x 4 H ₂ O	100.00	mg
CoCl ₂ x 6 H ₂ O	190.00	mg
NiCl ₂ x 6 H ₂ O	24.00	mg
CuCl ₂ x 2 H ₂ O	2.00	mg



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ZnSO ₄ x 7 H ₂ O	144.00	mg
Na ₂ MoO ₄ x 2 H ₂ O	36.00	mg
Distilled water	987.00	ml

Selenite-tungstate solution

NaOH	0.40	g
Na ₂ SeO ₃ x 5 H ₂ O	6.00	mg
Na ₂ WO ₄ x 2 H ₂ O	8.00	mg
Distilled water	1000.00	ml