

408: PSYCHRILYOBACTER SP. MEDIUM

Peptone (BD Bacto)	10.00	g
Yeast extract (OXOID)	3.00	g
Casamino acids (BD Bacto)	10.00	g
L-Glutamic acid	20.00	g
NH ₄ Cl	2.00	g
K ₂ HPO ₄ x 3 H ₂ O	2.00	g
NaCl	25.00	g
Modified Wolin's mineral solution	10.00	ml
Sodium resazurin (0.1% w/v)	0.50	ml
L-Cysteine HCl x H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except cysteine), bring medium to the boil, then cool to room temperature under 100% N₂ gas atmosphere. Add and dissolve cysteine, adjust pH to 7.0 and dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave.

Modified Wolin's mineral solution (from medium 141)

Nitrolotriacetic acid	1.50	g
MgSO ₄ x 7 H ₂ O	3.00	g
MnSO ₄ x H ₂ O	0.50	g
NaCl	1.00	g
FeSO ₄ x 7 H ₂ O	0.10	g
CoSO ₄ x 7 H ₂ O	0.18	g
CaCl ₂ x 2 H ₂ O	0.10	g
ZnSO ₄ x 7 H ₂ O	0.18	g
CuSO ₄ x 5 H ₂ O	0.01	g
AlK(SO ₄) ₂ x 12 H ₂ O	0.02	g
H ₃ BO ₃	0.01	g
Na ₂ MoO ₄ x 2 H ₂ O	0.01	g
NiCl ₂ x 6 H ₂ O	0.03	g
Na ₂ SeO ₃ x 5 H ₂ O	0.30	mg
Na ₂ WO ₄ x 2 H ₂ O	0.40	mg
Distilled water	1000.00	ml

First dissolve nitrilotriacetic acid and adjust pH to 6.5 with KOH, then add minerals. Adjust final to pH 7.0 with KOH.