

490. METHANOHALOPHILUS OREGONESE MEDIUM

Yeast extract (OXOID)	2.0	g
Trypticase peptone (BD BBL)	2.0	g
NaCl	29.0	g
KCl	1.5	g
NH ₄ Cl	1.0	g
K ₂ HPO ₄ x 3 H ₂ O	0.4	g
MgCl ₂ x 6 H ₂ O	1.7	g
2-Mercaptoethanesulfonic acid (coenzyme M)	0.5	g
Trace element solution (see medium 141)	10.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ CO ₃	2.5	g
Trimethylamine x HCl	2.0	g
Na ₂ S x 9 H ₂ O	0.3	g
Distilled water	1000.0	ml

Dissolve ingredients except carbonate, trimethylamine and sulfide, then sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Distribute medium under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add trimethylamine and sulfide from sterile anoxic stock solutions autoclaved under 100% N₂ gas and carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Adjust pH of the complete medium to 8.5 with a sterile anoxic stock solution of Na₂CO₃ (5% w/v).

For [DSM 9005](#) adjust pH of complete medium to 8.0.