904a. MARINITOGA HYDROGENITOLERANS MEDIUM

Sea Salts (SIGMA) 30.00 g
MES (MERCK) 4.00 g
Yeast extract (OXOID) 1.00 g
Tryptone (BD Bacto) 1.00 g
Na-resazurin solution (0.1% w/v) 0.50 ml
D-Glucose 2.50 g
Na₂S x 9 H₂O 0.50 g
L-Cysteine-HCl x H₂O 0.50 g
Distilled water 1000.00 ml

Dissolve ingredients except glucose, sulfide and cysteine, adjust pH to 6.0 and sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials (to 30% of volume) and autoclave. Add glucose, sulfide and cysteine from sterile anoxic stock solutions prepared under 100% N₂ gas.

Note: Growth of strain DSM 15518 can be improved by omitting sea salts and preparing medium using bottled natural sea water from Biomaris GmbH (Bremen, Germany) instead of distilled water.