

**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  |
| Na <sub>2</sub> S x 9 H <sub>2</sub> O | 0.50    | g  |
| L-Cysteine-HCl x H <sub>2</sub> O      | 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% N<sub>2</sub> 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% N<sub>2</sub> 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.*