

**740. FERVIDOBACTERIUM TF(A) MEDIUM**

|   |         |    |
|---|---------|----|
| NH <sub>4</sub> Cl                                  | 0.50    | g  |
| MgSO <sub>4</sub> x 7 H <sub>2</sub> O              | 0.16    | g  |
| K <sub>2</sub> HPO <sub>4</sub>                     | 1.60    | g  |
| Na <sub>2</sub> HPO <sub>4</sub> x H <sub>2</sub> O | 1.00    | g  |
| Trace element solution (see medium 141)             | 10.00   | ml |
| Vitamin solution (see medium 141)                   | 10.00   | ml |
| Yeast extract (OXOID)                               | 2.00    | g  |
| Trypticase peptone (BD BBL)                         | 2.00    | g  |
| Na-resazurin solution (0.1% w/v)                    | 0.50    | ml |
| CaCl <sub>2</sub> x 2 H <sub>2</sub> O              | 0.06    | g  |
| D-Glucose   | 3.00    | g  |
| L-Cysteine-HCl x H <sub>2</sub> O                   | 0.30    | g  |
| Na <sub>2</sub> S x 9 H <sub>2</sub> O              | 0.30    | g  |
| Distilled water                                     | 1000.00 | ml |

Dissolve ingredients except calcium chloride, glucose, cysteine and sulfide. Sparge medium with 100% N<sub>2</sub> gas for 30 – 45 min to make it anoxic, then dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add calcium chloride, glucose, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas. The pH of the complete medium should be 6.8 - 7.0.

For [DSM 17883](#) add a whiff of sterile sulfur to each vessel with autoclaved medium and adjust pH of complete medium to 7.5. For sterilization steam sulfur for 3 hours on each of 3 successive days.

For [DSM 21710](#) add a whiff of sterile sulfur to each vessel with autoclaved medium and adjust pH of complete medium to 6.5. For sterilization steam sulfur for 3 hours on each of 3 successive days.