

206. THERMODESULFOBACTERIUM MEDIUM

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|---|--------|----|
| Na ₂ SO ₄ | 3.0 | g |
| NH ₄ Cl | 1.0 | g |
| MgCl ₂ x 6 H ₂ O | 0.2 | g |
| KH ₂ PO ₄ | 0.3 | g |
| Na ₂ HPO ₄ x 12 H ₂ O | 2.0 | g |
| Trace element solution (see medium 144) | 10.0 | ml |
| FeSO ₄ x 7 H ₂ O solution (0.1% w/v in 0.1 N H ₂ SO ₄) | 1.5 | ml |
| Na-resazurin solution (0.1% w/v) | 0.5 | ml |
| Yeast extract | 1.0 | g |
| Na-L-lactate | 4.0 | g |
| Vitamin solution (see medium 141) | 5.0 | ml |
| Na ₂ S x 9 H ₂ O | 0.5 | g |
| Distilled water | 1000.0 | ml |

Dissolve ingredients (except yeast extract, lactate, vitamins and sulfide) and sparge medium for 30 – 45 min with 100% N₂ gas to make it anoxic. Distribute under same gas atmosphere in anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add yeast extract, lactate, vitamins (sterilized by filtration) and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Before use, neutralize the sodium sulfide solution by dropwise addition of 2 N H₂SO₄ (see medium 29). Adjust pH of complete medium to 6.8 - 7.0.