63. DESULFOVIBRIO (POSTGATE) MEDIUM

Solution A:
- K₂HPO₄ 0.5 g
- NH₄Cl 1.0 g
- Na₂SO₄ 1.0 g
- CaCl₂ x 2 H₂O 0.1 g
- MgSO₄ x 7 H₂O 2.0 g
- Na-DL-lactate 2.0 g
- Yeast extract 1.0 g
- Na-resazurin solution (0.1% w/v) 0.5 ml
- Distilled water 980.0 ml

Solution B:
- FeSO₄ x 7 H₂O 0.5 g
- Distilled water 10.0 ml

Solution C:
- Na-thioglycolate 0.1 g
- Ascorbic acid 0.1 g
- Distilled water 10.0 ml

Dissolve ingredients of solution A, bring to the boil, then cool to room temperature while sparging with 100% N₂ gas. Add solutions B and C, adjust pH to 7.8 with NaOH, and distribute under 100% N₂ gas atmosphere into anoxic Hungate-type tubes. During distribution continuously swirl the medium to keep the grey precipitate suspended. Autoclave 15 min at 121°C. Adjust pH of the complete medium to 6.8 - 7.0, if necessary.

For DSM 12838 supplement medium with 3.0 g/l meat extract.