

63. DESULFOVIBRIO (POSTGATE) MEDIUM

Solution A:

K ₂ HPO ₄	0.5	g
NH ₄ Cl	1.0	g
Na ₂ SO ₄	1.0	g
CaCl ₂ x 2 H ₂ O	0.1	g
MgSO ₄ x 7 H ₂ O	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:

FeSO ₄ x 7 H ₂ O	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.