

63. DESULFOVIBRIO 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
DL-Na-lactate	2.0	g
Yeast extract	1.0	g
Resazurin	1.0	mg
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 the ingredients of each solution in the appropriate quantities of water. Bring solution A to the boil for a few minutes, then cool to room temperature while gassing with oxygen-free N₂ gas. Add solutions B and C, adjust pH to 7.8 with NaOH, and distribute under N₂ in anaerobic tubes. During distribution continuously swirl the medium to keep the grey precipitate suspended. Autoclave 15 min at 121°C.

For DSM 12927 supplement medium with 10 g/l NaCl.