

163: HALODESULFOVIBRIO (POSTGATE) MEDIUM

This recipe contains strain-specific modifications for *Oleidesulfovibrio vietnamensis* DSM 10520 *

Final pH: * 7.5

Final volume: 1000 ml

Solution A	980.00	ml
Solution B	10.00	ml
Solution C	10.00	ml

Bring solution A 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 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.

* Adjust final pH of autoclaved medium to 7.5 using a sterile anoxic stock solution of Na₂CO₃ (5% w/v) prepared under 80% N₂ and 20% CO₂ gas atmosphere.

Solution A

NaCl	25.00	g
K ₂ HPO ₄	0.50	g
NH ₄ Cl	1.00	g
Na ₂ SO ₄	1.00	g
CaCl ₂ x 2 H ₂ O	0.10	g
MgSO ₄ x 7 H ₂ O	2.00	g
Na-DL-lactate	2.00	g
Yeast extract	1.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
Distilled water	980.00	ml

Solution B

FeSO ₄ x 7 H ₂ O	0.50	g
Distilled water	10.00	ml

Solution C

Na-thioglycolate	0.10	g
Ascorbic acid	0.10	g
Distilled water	10.00	ml