

1068. DESULFOPILA MSL86 MEDIUM

KH ₂ PO ₄	0.50	g
NH ₄ Cl	1.00	g
Na ₂ SO ₄	1.00	g
NaCl	10.00	g
CaCl ₂ x 2 H ₂ O	0.10	g
MgSO ₄ x 7 H ₂ O	2.00	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Yeast extract	0.50	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Na-DL-lactate	2.50	g
Vitamin solution (see medium 141)	10.00	ml
L-Cysteine-HCl x H ₂ O	0.25	g
Na ₂ S x 9 H ₂ O	0.25	g
Distilled water	1000.00	ml

Dissolve ingredients (except lactate, vitamins and reducing agents), adjust pH to 7.5 and sparge medium with 100% N₂ gas for at least 30 - 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add lactate, vitamins, sulfide and cysteine from sterile anoxic stock solutions prepared under 100% N₂ gas. The vitamin solution should be sterilized by filtration. Adjust pH of the complete medium to 7.5, if necessary.