

25: RHODOPSEUDOMONAS GLOBIFORMIS MEDIUM

This recipe contains strain-specific modifications for *Rhodopila globiformis* DSM 161 *

Final pH: 4.9

Final volume: 1000 ml

Yeast extract	0.25	g
Mannitol	1.50	g
Na-gluconate	0.50	g
KH ₂ PO ₄	0.50	g
MgSO ₄ x 7 H ₂ O	0.40	g
NH ₄ Cl	0.40	g
NaCl	0.40	g
CaCl ₂ x 2 H ₂ O	0.05	g
Trace element solution SL-6	1.00	ml
Distilled water	1000.00	ml

1. Adjust pH to 4.9, then add:

Fe(III) citrate (0.1% in H ₂ O)	5.00	ml
Biotin (0.002% in H ₂ O)	1.00	ml
p-Aminobenzoic acid (0.01% in H ₂ O)	1.00	ml
Sodium thiosulfate pentahydrate (10% in H ₂ O)	2.00	ml

2. Sterilize in screw-capped bottles. Cool to room temperature; to each 100 ml medium add 0.2 ml of a sterile 10% Na₂S₂O₃ solution. Incubate in the light using a tungsten lamp

* Incubate anaerobically in the light using a tungsten lamp (approx. 600 lux).

Trace element solution SL-6 (from medium 27)

ZnSO ₄ x 7 H ₂ O	0.10	g
MnCl ₂ x 4 H ₂ O	0.03	g
H ₃ BO ₃	0.30	g
CoCl ₂ x 6 H ₂ O	0.20	g
CuCl ₂ x 2 H ₂ O	0.01	g
NiCl ₂ x 6 H ₂ O	0.02	g
Na ₂ MoO ₄ x 2 H ₂ O	0.03	g
Distilled water	1000.00	ml