

## 25: RHODOPSEUDOMONAS GLOBIFORMIS MEDIUM

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

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

1. Adjust pH to 4.9, then add:

Fe(III) citrate (0.1% in H <sub>2</sub> O)	5.00	ml
Biotin (0.002% in H <sub>2</sub> O)	1.00	ml
p-Aminobenzoic acid (0.01% in H <sub>2</sub> O)	1.00	ml
Sodium thiosulfate pentahydrate (10% in H <sub>2</sub> 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% Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 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 <sub>4</sub> x 7 H <sub>2</sub> O	0.10	g
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	0.03	g
H <sub>3</sub> BO <sub>3</sub>	0.30	g
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	0.20	g
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	0.01	g
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	0.02	g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	0.03	g
Distilled water	1000.00	ml