# 25: RHODOPSEUDOMONAS GLOBIFORMIS MEDIUM

Final pH: 4.9

## Main sol. 25

| | | |
|---|---|---|
| Yeast extract | 0.25 | g |
| Mannitol | 1.50 | g |
| Na-gluconate | 0.50 | g |
| $KH_2PO_4$ | 0.50 | g |
| $MgSO_4$ x 7 $H_2O$ | 0.40 | g |
| $NH_4Cl$ | 0.40 | g |
| NaCl | 0.40 | g |
| $CaCl_2$ x 2 $H_2O$ | 0.05 | g |
| *Trace element solution SL-6* | 1.00 | ml |
| Distilled water | 1000.00 | ml |
| Fe(III)citrate (0.1% in H2O) | 5.00 | ml |
| Biotin (0.002% in H2O) | 1.00 | ml |
| p-aminobenzoic acid (0.01% in H2O) | 1.00 | ml |
| $Na_2S_2O_3$ (10 %), add 0.2 ml to each 100 ml media | | |

Adjust pH to 4.9, then add: Fe(III) citrate solution, Biotin solution, and p-Aminobenzoic acid solution (#11-13)

Sterilize in screw-capped bottles. Cool to room temperature; to each 100 ml medium add 0.2 ml of a sterile 10% $Na_2S_{203}$ solution. Incubate in the light using a tungsten lamp.

## *SL12: Trace element solution SL-6* (from medium 1142)

| | | |
|---|---|---|
| $ZnSO_4$ x 7 $H_2O$ | 0.10 | g |
| $MnCl_2$ x 4 $H_2O$ | 0.03 | g |
| $H_3BO_3$ | 0.30 | g |
| $CoCl_2$ x 6 $H_2O$ | 0.20 | g |
| $CuCl_2$ x 2 $H_2O$ | 0.01 | g |
| $NiCl_2$ x 6 $H_2O$ | 0.02 | g |
| $Na_2MoO_4$ x 2 $H_2O$ | 0.03 | g |
| Distilled water | 1000.00 | ml |

For DSM 14788 = Thioalkalivibrio sp. ALED use 30 mM thiosulphate and up to a maximum of 5 mM $NH_4$ Cl