

## 27. RHODOSPIRILLACEAE MEDIUM (modified)

Yeast extract	0.30	g
Na <sub>2</sub> -succinate	1.00	g
(NH <sub>4</sub> )-acetate	0.50	g
Fe(III) citrate solution (0.1% in H <sub>2</sub> O)	5.00	ml
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
NaCl	0.40	g
NH <sub>4</sub> Cl	0.40	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.05	g
Vitamin B <sub>12</sub> solution (10 mg in 100 ml H <sub>2</sub> O)	0.40	ml
Trace element solution SL-6 (see below)	1.00	ml
L-Cysteiniumchloride	0.30	g
Resazurin(0,1%)	0.50	ml
Distilled water	1000.00	ml

Adjust pH to 6.8.

Boil the medium for a few minute. Bubble the medium with nitrogen gas and fill 10 ml in 15 ml tubes with a rubber septum under a stream of nitrogen gas. Autoclave at 121°C for 15 min. Sterile syringes are used to inoculate and remove samples.

Incubate in the light using a tungsten lamp.

### *Trace element solution SL-6:*

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

