

**886. HELIORESTIS MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	0.50	g
NH <sub>4</sub> Cl	0.50	g
NaCl	0.50	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.60	g
CaCl <sub>2</sub>	0.10	g
Na <sub>2</sub> CO <sub>3</sub>	2.50	g
NaHCO <sub>3</sub>	2.50	g
Na-acetate	1.00	g
Yeast extract	0.50	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.40	g
Vitamin B12	20.00	µg
Biotin	20.00	µg
Trace elements SL-6 (see below)	1.00	ml
Distilled water	1000.00	ml

Boil the medium for few minutes. Fill in tubes with rubber stoppers under nitrogen gas.  
Sterilize at 121°C for 15 min.

Prepare NaHCO<sub>3</sub>, Na<sub>2</sub>CO<sub>3</sub> and sulfide as separate sterile stock solution, Vitamin B<sub>12</sub> and Biotin as filter-sterilized stock solution and add to sterile medium after autoclaving.  
Adjust pH to 9 - 9.5.

To control anoxic conditions, add resazurin to a final concentration of 0.002%.

*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