

## 1414. PORPHYROBACTER MEDIUM

### Mineral Salts Solution:

MgSO <sub>4</sub> x 7 H <sub>2</sub> O	2.0	g
NH <sub>4</sub> Cl	0.3	g
KCl	0.3	g
Na <sub>2</sub> SO <sub>4</sub>	15.0	g
Na Acetate	1.0	g
Malic Acid	1.0	g
Yeast Extract	1.0	g
Bactopeptone	0.5	g
Trace Element Solution (see below)	2.0	ml
Vitamine Solution (see below)	2.0	ml
Distilled Water	1000.0	ml

Adjust to pH 5.9 before autoclaving

### Trace Element Solution:

FeSO <sub>4</sub> x 7H <sub>2</sub> O	300.0	mg
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	3.0	mg
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	5.0	mg
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	1.0	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	2.0	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	3.0	mg
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	5.0	mg
H <sub>3</sub> BO <sub>3</sub>	2.0	mg
Distilled Water	1000.0	ml

Adjust to pH 3.0

### Vitamine Solution:

Nicotinic Acid	400.0	mg
Thiamine	400.0	mg
Biotine	80.0	mg
Vitamin B <sub>12</sub>	20.0	mg
Distilled Water	1000.0	ml

Filtersterilized

Prepare the liquid medium. Before inoculation add from sterile stock solutions:

NaHCO <sub>3</sub> (10% w/v)	5.0	ml/l
CaCl <sub>2</sub> (10% w/v)	20.0	ml/l
KH <sub>2</sub> PO <sub>4</sub> (10% w/v)	3.0	ml/l
Vitamine Solution	2.0	ml/l

Adjust to pH 8.0 - 8.5 with 0.5 N NaOH.