

## 1495. AQUASPIRILLUM MEDIUM II

Peptone (BD)	2.00	g
Succinic acid	1.00	g
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	1.00	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	1.00	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.03	g
Vitamin solution (see below)	1.00	ml
Trace elements (see below)	1.00	ml
Distilled water	1000.0	ml

Adjust pH to 7.4-7.6

Autoclave and add 1.0 ml/l vitamin solution from a filter sterilised stock solution (see below). The medium may be solidified by adding 15.0 g/l agar.

### *Trace elements solution (Pfennig & Lippert, 1966)*

EDTA	5.00	g
FeSO <sub>4</sub> x 6 H <sub>2</sub> O	2.20	g
ZnSO <sub>4</sub> x 7H <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	0.03	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	0.03	g
NiCl <sub>2</sub> x 6H <sub>2</sub> O	0.03	g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	0.03	g
Distilled water	1000.00	ml

pH 3.0-4.0

### *Vitamin solution*

Biotin	200.0	mg
Folic acid	20.0	mg
Pyridoxine-HCl	100.0	mg
Thiamine-HCl	50.0	mg
Riboflavin	100.0	mg
Nicotinic acid	50.0	mg
DL-Pantothenic acid	50.0	mg
Vitamin B <sub>12</sub>	1.0	mg
p-Aminobenzoic acid	50.0	mg
Distilled water	1000.00	ml

Filter sterilise.