

## 1491. CYCLONATRONUM PROTEIVORANS MEDIUM (OMEGA)

### **Mineral Salts Solution:**

Na <sub>2</sub> CO <sub>3</sub>	5.00	g
NaCl	10.00	g
K <sub>2</sub> HPO <sub>4</sub>	1.00	g
Trace metals (Pfennig&Lippert, 1966) (see medium 1478)	1.00	ml
Distilled water	1000.00	ml

pH 10.0 - 10.1

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

Yeast extract	20.0	mg
Pepton	2.0	g
Vitamin Solution (see below) (medium 1478)	1.0	ml

### *Trace element solution (Pfennig & Lippert, 1966):*

EDTA	5.00	g
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	2.00	g
ZnSO <sub>4</sub>	0.10	g
MnCl <sub>2</sub>	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 5 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	0.02	g
Distilled water	1000.00	ml

Final pH 3.0-4.0 (with HCl).

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*Vitamin mix (Pfennig & Lippert, 1966) (see medium 1478)*

1: acidic solution (HCl, pH3; 100ml)

Thiamin	5.0	mg
Ca Pantotenat	5.0	mg

2: basic solution (100ml 0.1N NaOH)

Biotin	2.0	mg
PABA (p-aminobenzoic acid)	5.0	mg
Nicotinic acid	5.0	mg
Pyridoxine	10.0	mg

3: Neutral solution in 100 ml demi water

Folic acid	2.0	mg
Riboflavin	5.0	mg

4: neutral solution in 100 ml demi water

B12	0.5	mg
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Sterilize by filtration.

Mix 1:1:1:1 just after addition or add separately, each 1ml/L.