

253. MEDIUM FOR ECTOTHIORHODOSPIRA

KH ₂ PO ₄	0.50	g
CaCl ₂ x 2 H ₂ O	0.05	g
NH ₄ Cl	0.80	g
MgCl ₂ x 6 H ₂ O	0.10	g
NaCl	180.00	g
Na ₂ SO ₄	20.00	g
Na ₂ CO ₃	6.00	g
Trace element solution (A)	1.00	ml
Yeast extract	0.50	g
Na-succinate	1.00	g
Distilled water	800.00	ml

Adjust pH to 8.5.

Bubble with nitrogen gas and fill in tubes with a rubber septum under a stream of nitrogen gas. Autoclave at 121°C for 15 min.

After sterilization add 1 ml/l filter-sterilized vitamin solution (B), 200 ml of filter-sterilized solution Bicarbonate solution (C) and 10 ml/l sterilised Na₂S x 9H₂O solution (D). pH 8.5

Trace element solution (A):

FeCl ₂ x 4 H ₂ O	1.80	g
CoCl ₂ x 6 H ₂ O	250.00	mg
NiCl ₂ x 6 H ₂ O	10.00	mg
CuCl ₂ x 2 H ₂ O	10.00	mg
MnCl ₂ x 4 H ₂ O	70.00	mg
ZnCl ₂	100.00	mg
H ₃ BO ₃	500.00	mg
Na ₂ MoO ₄ x 2 H ₂ O	30.00	mg
Na ₂ SeO ₃ x 5 H ₂ O	10.00	mg
Distilled water	1000.00	ml

For dissolving adjust pH to about 3 with 1 N HCl.

Vitamin solution (B):

Biotin	10.0	mg
Nicotinamide	35.0	mg
Thiamine-HCl x 2 H ₂ O	30.0	mg
p-Aminobenzoic acid	20.0	mg
Pyridoxal hydrochloride	10.0	mg
Ca-pantothenate	10.0	mg
Vitamin B ₁₂	5.0	mg
Distilled water	100.0	ml

Bicarbonate solution (C):

NaHCO ₃	14.0	g
Distilled water	200.0	ml

Na₂S x 9H₂O solution (D)

Na ₂ S x 9H ₂ O	10.0	g
Distilled water	100	ml

