

351. RHODOBACTER ADRIATICUS MEDIUM

Na acetate	0.82	g
Yeast extract	0.1	g
Na ₂ S x 9H ₂ O	0.06	d
K ₂ HPO ₄	1.0	g
CaCl ₂ x 2 H ₂ O	0.1	g
MgCl ₂ x 6 H ₂ O	0.5	g
NH ₄ Cl	1.0	g
NaHCO ₃	3.0	g
NaCl	25.0	g
Na-ascorbate	0.5	g
Trace element solution (SLA)	1.0	ml
Distilled water	1000.0	ml

Adjust pH to 7.0.

The medium may be prepared without the addition of Na acetate, yeast extract and Na₂S x 9H₂O and may be added to the sterile medium from sterile stock solutions. Prepare the medium under an atmosphere of N₂. Dispense into screw capped or crimp top bottles fitted with a rubber septum. Sterilize at 121°C for 15 minutes in screw-capped bottles. After sterilization add 1.0 ml/l filter-sterilized vitamin solution (VA, see below). Incubate at 30°C at a light intensity of 1500 lux under anaerobic conditions.

Trace element solution (SLA):

FeCl ₂ x 4 H ₂ O	1.8	g
CoCl ₂ x 6 H ₂ O	250.0	mg
NiCl ₂ x 6 H ₂ O	10.0	mg
CuCl ₂ x 2 H ₂ O	10.0	mg
MnCl ₂ x 4 H ₂ O	70.0	mg
ZnCl ₂	100.0	mg
H ₃ BO ₃	500.0	mg
Na ₂ MoO ₄ x 2 H ₂ O	30.0	mg
Na ₂ SeO ₃ x 5 H ₂ O	10.0	mg
Distilled water	1000.0	ml

Adjust pH to 2.0 - 3.0.

Vitamin solution (VA):

Biotin	10.0	mg
Nicotinic acid amide	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